

## APPENDIX A

### Questionnaire Argolis Plain in English

#### **Determining the impacts of wind turbines upon rural residential places in the Argolis Plain in Greece**

##### **Local Population Survey**

This research will explore the impacts that wind turbines may have upon the rural space, environment, community services and everyday life in rural areas in the Argolis upon the local population. It is intended to explore if this impact has a negative, positive, or neutral consequence for the perceived comfort and quality of life of the local population.

If you agree to respond to the survey questions, you can be assured that the information you provide will be kept confidential and will only be used for research purposes.

Where is your permanent place of residence?

City \_\_\_\_\_

What is your nationality? \_\_\_\_\_

What is your level of education?

- less than a high school degree
- high school degree
- bachelor's degree
- master's degree
- Ph.D, M.D., J.D. or similar
- I prefer not to answer

What is your age?

- |   |  |
|---|--|
| <input type="checkbox"/> 15 years or less       | <input type="checkbox"/> 40 to 49 years      |
| <input type="checkbox"/> 16 to 19 years         | <input type="checkbox"/> 50 to 59 years      |
| <input type="checkbox"/> 20 to 29 years         | <input type="checkbox"/> 60 to 69 years      |
| <input type="checkbox"/> 30 to 39 years         | <input type="checkbox"/> 70 years or greater |
| <input type="checkbox"/> I prefer not to answer |  |

What is your approximate household income in Euro?

- |   |  |
|---|--|
| <input type="checkbox"/> 30,000 or less | <input type="checkbox"/> 90,001 to 150,000 |
|---|--|

\_\_\_\_ 30,001 to 60,000      \_\_\_\_ 150,001 or greater  
\_\_\_\_ 60,001 to 90,000      \_\_\_\_ I prefer not to answer

Are you? \_\_\_\_ male \_\_\_\_ female \_\_\_\_ other \_\_\_\_ I prefer not to answer

How long have you been living in the Argolis Plain

\_\_\_\_ less than 1 year  
\_\_\_\_ 1-5 years  
\_\_\_\_ 6-15 years  
\_\_\_\_ all my life  
\_\_\_\_ other, please specify: \_\_\_\_\_

Why did you choose to live in the specified location? \_\_\_\_\_

Please rank your overall level of knowledge regarding wind energy on a scale of 1 to 7, 1 being least knowledgeable and 7 being an expert.

1      2      3      4      5      6      7

Please rank how interested you are in environmental issues on a scale of 1 to 7, 1 being the least interested and 7 being the most interested.

1      2      3      4      5      6      7

Please rank how worried you are about climate change on a scale of 1 to 7, 1 being the least worried and 7 being the most worried.

1      2      3      4      5      6      7

Please rank how worried you are about energy security on a scale of 1 to 7, 1 being the least worried and 7 being the most worried.

1      2      3      4      5      6      7

What is the main energy source for our electricity production?

Do you know which is the main energy source for our electricity sector?

Do you know how much of our electricity comes from renewable energy sources?

Which of the following is not a greenhouse gas?

(1) Nitrogen (2) Water Vapor (3) Methane (4) Carbon dioxide (5) Molecular Hydrogen  
(6) Sulphur dioxide (7) Halocarbons

Please rank much you agree with the following statements on a scale of 1 to 7, with 1 being totally disagree and 7 being I totally agree.

\_\_\_ The most important benefit of wind energy is sustainable development

1      2      3      4      5      6      7

\_\_\_ The most important benefit of wind energy is an economic development

1      2      3      4      5      6      7

\_\_\_ The most important benefit of wind energy is the creation of new jobs

1      2      3      4      5      6      7

\_\_\_ The most important benefit of wind energy is the country's energy efficiency

1      2      3      4      5      6      7

My property would lose value if there were a wind park nearby

1      2      3      4      5      6      7

\_\_\_ other \_\_\_\_\_

Which best describes your opinion towards wind turbines? (Choose all that fit)

\_\_\_ very negative

\_\_\_ negative

\_\_\_ neutral

\_\_\_ positive

\_\_\_ very positive

\_\_\_ don't know

Are you against or for building renewable energy sources in general?

very much against

against

for

neutral

very much for

Which best describes your opinion towards wind turbines that could be placed in this location?  
(Choose all that fit)

\_\_\_ contribution to local economy

\_\_\_ local job creation

\_\_\_ disturbance due to noise

\_\_\_ disturbance due to increased traffic

\_\_\_ worries about health and safety

\_\_\_ could be part of the landscape identity of the region

\_\_\_ it would destroy the view

- it would add an artificial quality to the landscape
- impacts negatively the ability to relax
- symbolizes a future-oriented development
- adds an artificial quality to the landscape
- other \_\_\_\_\_

What would motivate you to accept the wind turbines in our vicinity? (Choose all that fit)

- jobs for the people in my area
- being a co-owner of the wind farm
- paying less in electricity bills
- transparency of institutions
- public consultations
- other, please describe

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Would the construction of wind turbines would degrade your standard of living?

- yes  no  don't know

If you own property here, do you think that the value of your property would be influenced by the construction of wind turbines?

- yes  no  don't know  I don't own property

If yes how?

- my property would have more value
- my property would have less value
- other \_\_\_\_\_

At what distance from your home would you accept wind turbines?

- at such a distance that I do not hear them
- at a distance such that I cannot see them
- I would accept them even in my backyard
- in no case

Do you have any comments?

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## Questionnaire Argolis Plain in Greek

### Προσδιορισμός των επιπτώσεων των ανεμογεννητριών σε αγροτικές κατοικημένες περιοχές στην Αργολική πεδιάδα στην Ελλάδα

#### Έρευνα Τοπικού Πληθυσμού

Αυτή η έρευνα θα διερευνήσει τις επιπτώσεις που μπορεί να έχουν οι ανεμογεννήτριες στον αγροτικό χώρο, το περιβάλλον, τις κοινοτικές υπηρεσίες και την καθημερινή ζωή στις αγροτικές περιοχές της Αργολίδας στον τοπικό πληθυσμό. Σκοπός είναι να διερευνηθεί εάν αυτός ο αντίκτυπος έχει αρνητική, θετική ή ουδέτερη συνέπεια για την αντιληπτή άνεση και ποιότητα ζωής του τοπικού πληθυσμού.

Εάν συμφωνείτε να απαντήσετε στις ερωτήσεις της έρευνας, μπορείτε να είστε βέβαιοι ότι οι πληροφορίες που παρέχετε θα διατηρηθούν εμπιστευτικές και θα χρησιμοποιηθούν μόνο για ερευνητικούς σκοπούς.

Πού είναι ο μόνιμος τόπος διαμονής σας;

Πόλη/Χωριό \_\_\_\_\_

Ποια είναι η εθνικότητά σας; \_\_\_\_\_

Ποιο είναι το επίπεδο εκπαίδευσης σας;

- \_\_\_\_\_ λιγότερο από πτυχίο γυμνασίου
- \_\_\_\_\_ πτυχίο λυκείου
- \_\_\_\_\_ πτυχίο
- \_\_\_\_\_ πτυχίο μάστερ
- \_\_\_\_\_ Ph.D, MD, JD ή παρόμοια
- \_\_\_\_\_ Προτιμώ να μην απαντήσω

Ποια είναι η ηλικία σας;

- \_\_\_\_\_ 15 ετών ή λιγότερο
- \_\_\_\_\_ 16 έως 19 ετών
- \_\_\_\_\_ 20 έως 29 ετών
- \_\_\_\_\_ 30 έως 39 ετών
- \_\_\_\_\_ 40 έως 49 ετών
- \_\_\_\_\_ 50 έως 59 ετών
- \_\_\_\_\_ 60 έως 69 ετών
- \_\_\_\_\_ 70 ετών και άνω
- \_\_\_\_\_ Προτιμώ να μην απαντήσω

Ποιο είναι κατά προσέγγιση το οικογενειακό σας εισόδημα σε ευρώ ανά έτος;

- \_\_\_\_\_ 30.000 ή λιγότερο
- \_\_\_\_\_ 30.001 έως 60.000
- \_\_\_\_\_ 90.001 έως 150.000
- \_\_\_\_\_ 150.001 ή περισσότερο

\_\_\_ 60.001 έως 90.000 \_\_\_ Προτιμώ να μην απαντήσω

Είστε: \_\_\_ γυναίκα \_\_\_ άντρας \_\_\_ άλλο \_\_\_ Προτιμώ να μην απαντήσω

Πόσο καιρό ζείτε στον Αργολικό Κάμπο;

\_\_\_ Λίγότερο από 1 χρόνο  
\_\_\_ 1-10 χρόνια  
\_\_\_ 11-20 χρόνια  
\_\_\_ πάνω από 20 χρόνια  
\_\_\_ Άλλο, διευκρινίστε: \_\_\_\_\_

Γιατί επιλέξατε να ζήσετε στην καθορισμένη τοποθεσία;

\_\_\_\_\_

Κατατάξτε το γενικό επίπεδο γνώσεών σας σχετικά με την αιολική ενέργεια σε μια κλίμακα από το 1 έως το 7, με το 1 να είναι λιγότερο γνώστης και το 7 να είναι ειδικός.

1 2 3 4 5 6 7

Κατατάξτε πόσο ενδιαφέρεστε για περιβαλλοντικά θέματα σε μια κλίμακα από το 1 έως το 7, όπου το 1 είναι το λιγότερο και το 7 το περισσότερο.

1 2 3 4 5 6 7

Κατατάξτε πόσο ανησυχείτε για την κλιματική αλλαγή σε μια κλίμακα από το 1 έως το 7, με το 1 να είναι το λιγότερο ανησυχητικό και το 7 το πιο ανησυχητικό.

1 2 3 4 5 6 7

Κατατάξτε πόσο ανησυχείτε για την ενεργειακή ασφάλεια σε μια κλίμακα από το 1 έως το 7 με το 1 να είναι το λιγότερο ανησυχητικό και το 7 το πιο ανησυχητικό.

1 2 3 4 5 6 7

Γνωρίζετε που μετασχηματίζεται το μεγαλύτερο ποσοστό ενέργειας στην Ελλάδα;

Γνωρίζετε ποια είναι η κύρια πηγή ενέργειας για τον τομέα της ηλεκτρικής μας ενέργειας;

Γνωρίζετε ποιο μέρος της ηλεκτρικής μας ενέργειας προέρχεται από ανανεώσιμες πηγές ενέργειας;

Ποιο από τα παρακάτω δεν είναι αέριο θερμοκηπίου;

(1) Αζωτο (2) Υδρατμοί (3) Μεθάνιο (4) Διοξείδιο του άνθρακα (5) Μοριακό υδρογόνο (6) Διοξείδιο του θείου (7) Αλογονάνθρακες

Παρακαλώ κατατάξτε κατά πόσο συμφωνείτε με τις παρακάτω προτάσεις σε μια κλίμακα από το 1 έως το 7, με το 1 να είναι απολύτως διαφωνώ και το 7 να είναι συμφωνώ απόλυτα.

\_\_\_ Το σημαντικότερο όφελος της αιολικής ενέργειας είναι η αιεφόρος ανάπτυξη

1      2      3      4      5      6      7

\_\_\_ Το σημαντικότερο όφελος της αιολικής ενέργειας είναι η οικονομική ανάπτυξη

1      2      3      4      5      6      7

\_\_\_ Το σημαντικότερο όφελος της αιολικής ενέργειας είναι η δημιουργία νέων θέσεων εργασίας

1      2      3      4      5      6      7

\_\_\_ Το σημαντικότερο όφελος της αιολικής ενέργειας είναι η ενεργειακή απόδοση της χώρας

1      2      3      4      5      6      7

Το ακίνητό μου θα έχανε την αξία του αν υπήρχε ένα αιολικό πάρκο κοντά

1      2      3      4      5      6      7

\_\_\_ άλλα \_\_\_\_\_

Ποιο περιγράφει καλύτερα τη γνώμη σας για τις ανεμογεννήτριες; (Επιλέξτε όλα όσα ταιριάζουν)

\_\_\_ πολύ αρνητική

\_\_\_ αρνητική

\_\_\_ ουδέτερη

\_\_\_ θετική

\_\_\_ πολύ θετική

\_\_\_

Είστε κατά ή υπέρ της κατασκευής ανανεώσιμων πηγών ενέργειας γενικά;

\_\_\_ πολύ κατά

\_\_\_ κατά

\_\_\_ ουδέτερη

\_\_\_ υπέρ

\_\_\_ πολύ υπέρ

Ποιο περιγράφει καλύτερα τη γνώμη σας για τις ανεμογεννήτριες που θα μπορούσαν να τοποθετηθούν σε αυτήν την τοποθεσία; (Επιλέξτε όλα όσα ταιριάζουν)

- \_\_\_ συμβολή στην τοπική οικονομία
- \_\_\_ τοπική δημιουργία θέσεων εργασίας
- \_\_\_ διαταραχή λόγω θορύβου
- \_\_\_ αναστάτωση λόγω αυξημένης κίνησης
- \_\_\_ ανησυχεί για την υγεία και την ασφάλεια
- \_\_\_ θα μπορούσε να είναι μέρος της ταυτότητας του τοπίου της περιοχής
- \_\_\_ θα κατέστρεφε τη θέα
- \_\_\_ θα προσθέσει μια τεχνητή ποιότητα στο τοπίο
- \_\_\_ επηρεάζει αρνητικά την ικανότητα χαλάρωσης
- \_\_\_ συμβολίζει μια εξέλιξη προσανατολισμένη στο μέλλον
- \_\_\_ άλλα \_\_\_\_\_

Τι θα σας παρακινούσε να δεχτείτε τις ανεμογεννήτριες στην περιοχή μας; (Επιλέξτε όλα όσα ταιριάζουν)

- \_\_\_ θέσεις εργασίας για τους ανθρώπους στην περιοχή μου
  - \_\_\_ όντας συνιδιοκτήτης του αιολικού πάρκου
  - \_\_\_ πληρώνοντας λιγότερους λογαριασμούς ρεύματος
  - \_\_\_ διαφάνεια των θεσμών
  - \_\_\_ δημόσιες διαβουλεύσεις
  - \_\_\_ άλλο, περιγράψτε
- 
- 

Η κατασκευή ανεμογεννητριών θα υποβάθμιζε το βιοτικό σας επίπεδο;  
 \_\_\_ ναι \_\_\_ όχι \_\_\_ δεν ξέρω

Εάν έχετε περιουσία εδώ, πιστεύετε ότι η αξία του ακινήτου σας θα επηρεαζόταν από την κατασκευή ανεμογεννητριών;  
 \_\_\_ ναι \_\_\_ όχι \_\_\_ δεν ξέρω \_\_\_ δεν έχω ιδιοκτησία

Αν ναι πώς;

- \_\_\_ η περιουσία μου θα είχε μεγαλύτερη αξία
- \_\_\_ Η περιουσία μου θα είχε μικρότερη αξία
- \_\_\_ άλλα \_\_\_\_\_

Σε τι απόσταση από την κατοικία σας θα δεχόσασταν τις ανεμογεννήτριες;

- \_\_\_ σε απόσταση τέτοια ώστε να μην τις ακούω
- \_\_\_ σε απόσταση τέτοια ώστε να μην τις βλέπω
- \_\_\_ δεν θα είχα πρόβλημα ακόμα κι αν ήταν στον κήπο μου
- \_\_\_ σε καμία περίπτωση

Έχετε κάποια σχόλια;



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## Answers to the Questionnaire

E	AG	I	G	A1	A2	A3	A4	A5	A6	A7	P1	P2	P3	P4	P5	P6	P7	P8	P9	S1	S2	S3	PB1	PB2	B1	B2	B3	B4	B5	B6	B7	
bachelor's degree	40 to 49 years old	I prefer not to answer	male	6	5	6	6	1	1	1	2	2	2	2	2	2	4	4	7	4	4	2	6	6	7	6	1	2	2	2	6	
bachelor's degree	40 to 49 years old	30.001 to 60.000	male	6	7	7	5	7	6	7	1	1	1	1	3	7	1	3	7	2	2	2	6	6	3	2	6	1	6	3	4	
bachelor's degree	30 to 39 years old	30.000 or less	male	5	5	6	6	6	7	6	4	4	4	4	4	4	6	4	2	2	3	2	6	6	1	7	1	6	4	4	5	
bachelor's degree master's degree	30 to 39 years old	30.000 or less	female	6	5	6	6	1	7	6	2	4	4	2	2	4	4	4	2	4	3	2	6	6	3	6	3	2	4	2	3	
bachelor's degree	30 to 39 years old	30.000 or less	female	6	5	6	5	6	6	1	2	2	2	2	2	2	4	4	3	3	4	2	6	6	7	6	1	4	2	2	5	
bachelor's degree	30 to 39 years old	30.000 or less	female	2	5	6	6	5	1	6	2	2	2	2	2	2	1	4	3	2	4	2	6	6	7	6	3	1	2	2	2	
bachelor's degree master's degree	20 to 29 years old	30.000 or less	female	2	2	2	2	2	6	1	2	2	2	2	2	2	6	4	3	2	4	2	6	6	4	6	7	3	2	2	1	
bachelor's degree master's degree	40 to 49 years old	30.001 to 60.000	female	5	6	6	6	3	6	2	2	2	2	2	2	4	1	4	3	5	4	3	4	4	4	4	6	7	6	2	2	5
bachelor's degree	30 to 39 years old	30.000 or less	female	6	5	6	6	6	6	2	6	2	2	6	6	4	6	4	2	2	4	3	4	4	4	4	6	7	6	2	6	4
bachelor's degree	30 to 39 years old	30.000 or less	female	7	5	7	7	3	1	7	1	1	1	1	3	7	6	3	3	2	2	3	4	4	3	6	6	1	6	1	2	
bachelor's degree master's degree	20 to 29 years old	30.000 or less	female	6	5	6	5	5	6	7	4	6	1	4	4	6	1	3	1	2	2	3	4	4	7	7	3	3	6	4	5	
bachelor's degree	30 to 39 years old	30.000 or less	female	6	5	6	6	7	7	7	4	4	4	4	4	1	6	3	3	2	3	3	4	4	7	7	1	6	4	4	7	
bachelor's degree high	30 to 39	I prefer	male	6	5	6	6	7	7	1	4	4	4	4	4	6	1	3	3	5	3	3	4	4	7	7	6	1	4	4	3	





bachelor's degree	30 to 39 years old	30.00 0 or less	female	7	7	6	6	2	7	4	6	7	3	6	6	6	7	3	1	2	1	2	7	6	7	6	6	1	6	1	6
bachelor's degree	40 to 49 years old	30.00 0 or less	female	6	6	7	6	5	7	4	7	3	6	3	6	7	7	3	2	1	1	2	7	6	7	5	1	3	1	7	1
bachelor's degree	30 to 39 years old	30.00 0 or less	female	6	6	7	5	6	3	4	7	7	3	3	2	7	7	3	3	1	1	2	7	6	7	2	3	6	6	7	6
bachelor's degree	30 to 39 years old	30.00 0 or less	male	6	5	7	6	5	7	4	7	7	7	3	4	7	2	3	2	1	1	1	7	7	1	4	7	7	6	5	4
				6	6	3	6	5	7	4	7	3	7	3	4	7	7	3	7	1	2	1	6	7	7	4	7	7	1	7	4
bachelor's degree	40 to 49 years old	30.00 0 or less	male	6	7	6	5	7	7	6	3	7	7	4	4	6	7	3	7	2	2	1	6	7	7	4	7	7	6	6	2
bachelor's degree master's degree	30 to 39 years old	30.00 0 or less	male	6	5	6	2	7	7	1	6	7	7	4	4	3	2	3	6	2	2	1	6	7	7	6	7	6	6	6	2
bachelor's degree high school degree	40 to 49 years old	30.00 0 or less	female	6	7	6	7	5	6	3	7	7	6	6	3	4	6	2	7	1	2	2	6	6	5	6	7	4	1	6	4
λιγότερο από bachelor's degree γυμνασίου	60 to 69 years old	30.00 0 or less	female	6	7	6	7	3	3	3	7	7	3	3	6	4	6	2	7	1	2	2	6	6	6	6	7	4	6	3	2
bachelor's degree high school degree	60 to 69 years old	30.00 0 or less	male	6	7	6	7	6	6	6	7	7	6	6	3	4	2	2	7	1	2	2	6	6	6	6	7	4	1	6	4
bachelor's degree high school degree	30 to 39 years old	30.00 0 or less	female	6	7	6	7	5	3	3	7	7	3	3	3	4	6	2	7	1	2	2	6	6	1	5	7	4	5	3	4
bachelor's degree high school degree	30 to 39 years old	30.00 0 or less	female	6	6	4	6	4	4	3	6	3	4	3	6	4	4	2	7	2	3	2	6	4	4	4	1	4	1	4	4
bachelor's degree master's degree	30 to 39 years old	30.00 0 or less	female	4	5	4	6	4	4	4	3	3	4	3	6	4	4	2	6	2	3	3	4	4	4	4	3	4	6	4	2
bachelor's degree high school degree	40 to 49 years old	30.00 0 or less	female	4	6	4	4	4	4	4	6	6	4	3	4	6	6	2	7	1	1	1	4	4	5	6	4	4	4	4	7
bachelor's degree	30 to 39	30.00 1 to	female	4	5	2	2	2	2	4	3	6	4	6	4	6	6	2	7	1	1	1	2	2	1	2	2	2	4	4	3



bachelor's degree	30 to 39 years old	I prefer not to answer	female	7	4	6	6	6	6	7	2	6	6	6	7	6	2	3	5	2	1	1	6	6	4	6	1	6	6	7	6
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	6	6	3	6	6	3	3	6	6	3	7	7	6	6	2	4	2	2	2	6	6	6	6	1	6	7	6	7
bachelor's degree	30 to 39 years old	30.001 to 60.000	male	2	2	2	2	2	2	2	2	2	2	6	3	3	4	2	3	4	4	4	2	2	2	2	2	3	6	2	3
bachelor's degree high school degree	30 to 39 years old	I prefer not to answer	male	2	2	2	2	2	2	2	2	2	2	6	6	4	4	5	3	4	4	4	2	2	2	2	2	4	6	2	4
bachelor's degree	50 to 59 years old		female	2	4	2	4	2	2	2	4	4	2	3	3	4	4	2	4	3	4	4	2	2	2	2	4	4	6	2	1
bachelor's degree master's degree	20 to 29 years old	30.00 or less	female	2	5	6	4	6	6	2	4	4	6	5	6	4	6	2	3	3	2	4	2	6	6	6	1	4	6	6	1
bachelor's degree	30 to 39 years old	30.00 or less	female	6	7		7	7	7	6	7	7	2	6	3	7		5	3	1			7	4	7	7	7	7	5	7	3
bachelor's degree high school degree	30 to 39 years old	30.00 or less	male	6	6	6	6	6	6	6	6	3	6	7	7	6	6	6	4	2	2	2	6	6	6	6	6	6	7	6	5
bachelor's degree	20 to 29 years old	30.00 or less	female	6	6	6	6	6	6	3	3	6	6	7	7	6	2	2	3	2	2	2	6	6	6	1	1	3	7	3	5
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	6	4	4	4	4	3	6	4	6	2	6	7	6	6	5	5	2	1	1	4	4	4	4	6	4	4	6	7
bachelor's degree high school degree	30 to 39 years old	30.00 or less	male	6	5	4	4	4	4	6	3	3	2	1	4	6	2	2	5	2	1	1	4	4	4	1	4	4	4	6	2
bachelor's degree master's degree	20 to 29 years old	30.00 or less	male	6	4	4	4	4	4	6	4	6	3	5	7	6	6	2	5	2	1	1	4	4	4	1	4	4	6	6	6
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	6	4	4	4	4	4	6	6	6	2	5	4	6	2	5	5	2	1	1	4	4	4	6	4	4	4	6	5

bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	6	4	4	4	4	4	3	6	3	2	6	4	6	6	2	5	1	1	1	4	4	4	5	4	4	4	6	4	
bachelor's degree	40 to 49 years old	30.00 1 to 60.00 0	female	6	3	6	7	6	6	6	7	7	6	5	6	6	6	2	2	1	2	2	6	6	6	6	1	7	6	6	6	2
bachelor's degree	60 to 69 years old	60.00 1 to 90.00 0	female	6	7	6	7	6	3	6	7	7	3	1	6	6	2	5	2	1	2	2	6	6	6	6	7	6	6	6	4	
bachelor's degree master's degree	20 to 29 years old	30.00 0 or less	male	6	7	6	2	5	7	2	6	7	7	4	4	6	7	5	5	2	2	1	6	7	7	6	7	6	6	6	1	
bachelor's degree high school degree	50 to 59 years old	30.00 0 or less	male	7	6	6	7	7	7	2	3	7	7	2	2	6	7	2	5	2	2	1	6	7	7	6	7	6	6	6	7	
bachelor's degree	50 to 59 years old	30.00 1 to 60.00 0	female	7	5	6	7	7	4	4	6	4	7	4	2	6	6	2	5	2	1	3	7	7	6	1	7	6	6	6	7	
bachelor's degree master's degree	20 to 29 years old	30.00 0 or less	male	6	6	6	6	5	6	6	5	6	6	1	7	6	2	5	5	3	2	2	6	6	1	7	6	6	6	6	2	
bachelor's degree high school degree	60 to 69 years old	30.00 1 to 60.00 0	female	6	6	6	6	6	6	6	6	6	3	5	7	6	7	5	5	4	1	1	6	6	6	7	6	6	6	6	3	
bachelor's degree high school degree	60 to 69 years old	90.00 1 to 150.00 00	male	7	4	6	6	5	6	7	2	2	6	1	7	6	2	2	5	2	1	1	6	6	4	6	6	6	6	7	7	
bachelor's degree high school degree	50 to 59 years old		male	7	6	6	7	7	7	2	6	7	7	2	2	6	7	2	5	2	2	1	6	7	7	1	7	6	6	6	3	
bachelor's degree	40 to 49 years old	30.00 1 to 60.00 0	male	7	5	6	7	7	4	4	6	4	7	4	2	6	6	2	5	2	1	3	7	7	6	6	7	6	6	6	7	
bachelor's degree	30 to 39 years old	30.00 0 or less	male	6	5	6	6	6	3	6	6	5	6	6	7	6	7	5	5	3	2	2	6	6	6	5	6	6	6	6	2	
bachelor's degree master's degree	30 to 39 years old	30.00 0 or less	female	6	6	6	6	6	6	6	6	6	3	5	7	3	7	2	5	4	1	1	6	6	6	7	6	6	6	6	1	
bachelor's degree	30 to 39 years old	30.00 0 or less	female	7	5	6	6	6	6	7	2	2	6	6	7	6	5	5	5	2	1	1	6	6	4	6	6	6	6	7	6	



bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	6	7	6	6	6	7	7	6	6	3	5	2	2	1	2	2	2	6	6	6	1	7	6	6	6	6
bachelor's degree master's degree	20 to 29 years old	30.00 or less	female	7	3	6	6	3	5	7	6	6	3	7	7	6	5	1	4	2	2	1	7	6	6	6	6	6	7	6	4
bachelor's degree master's degree	40 to 49 years old	30.00 1 to 60.00	female	6	5	6	6	3	6	6	5	6	6	7	7	3	5	1	4	2	2	2	6	6	6	6	6	5	7	6	3
bachelor's degree	30 to 39 years old	30.00 or less	female	2	4	2	2	2	2	2	6	5	7	4	6	4	4	1	2	5	3	2	2	2	4	6	2	2	2	5	7
bachelor's degree	30 to 39 years old	30.00 or less	female	4	4	2	2	2	2	4	5	6	7	4	2	4	4	1	2	2	4	2	2	2	4	6	2	2	2	4	7
bachelor's degree master's degree	20 to 29 years old	30.00 or less	female	2	5	2	2	2	2	2	6	6	4	5	6	6	7	1	4	1	3	2	2	2	6	4	5	2	2	2	7
bachelor's degree	30 to 39 years old	30.00 or less	female	6	3	6	7	3	6	6	5	7	6	6	5	4	2	2	7	1	2	2	6	6	6	6	7	4	6	6	4
bachelor's degree high school degree	30 to 39 years old	I prefer not to answer	male	6	7	6	7	6	6	3	7	5	6	5	6	4	5	2	7	1	2	2	6	6	6	6	7	4	6	6	3
bachelor's degree high school degree	50 to 59 years old	I prefer not to answer	female	6	5	6	7	6	6	6	7	7	6	1	6	4	5	2	7	1	2	2	6	6	6	6	7	4	6	6	2
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	6	7	6	7	3	6	6	7	7	6	6	6	4	2	2	7	1	2	2	6	6	6	1	7	4	6	6	1
bachelor's degree	30 to 39 years old	30.00 or less	male	6	6	4	6	4	4	3	5	6	4	5	6	4	4	2	6	2	3	2	6	4	4	4	6	4	6	4	2
bachelor's degree	40 to 49 years old	30.00 1 to 60.00	female	4	6	4	6	4	4	4	6	6	4	1	6	4	4	2	7	2	3	3	4	4	4	4	6	4	6	4	3
bachelor's degree	30 to 39 years old	30.00 1 to 60.00	female	6	5	6	7	6	6	6	7	7	6	5	6	6	3	2	7	1	2	2	6	6	6	1	7	6	6	6	7





bachelor's degree high school degree	40 to 49 years old	30.00 0 or less	female	2	6	2	2	2	2	2	2	6	5	4	6	6	6	7	1	7	1	3	2	2	2	6	4	2	2	2	2	1	
λιγότερο από bachelor's degree γυμνασίου	60 to 69 years old	30.00 0 or less	female	2	5	2	2	2	2	2	2	5	6	7	4	6	4	7	1	7	1	3	1	2	2	6	6	2	2	2	2	2	
bachelor's degree high school degree	60 to 69 years old	30.00 0 or less	male	2	2	2	2	2	2	2	2	2	2	2	4	4	6	4	3	4	4	4	4	2	2	2	2	2	6	4	2	3	
bachelor's degree high school degree	30 to 39 years old	30.00 0 or less	female	2	5	2	2	2	2	2	2	2	2	2	3	6	6	4	3	4	4	4	4	2	2	2	2	2	2	6	6	2	3
bachelor's degree high school degree	30 to 39 years old	30.00 0 or less	female	7	4	6	6	6	6	7	2	5	5	6	7	6	5	3	5	2	1	1	6	6	4	6	6	6	6	6	7	5	
bachelor's degree master's degree	30 to 39 years old	30.00 0 or less	female	3	6	4	6	4	4	4	4	6	6	4	3	6	4	4	3	4	2	3	3	4	4	4	4	4	6	4	6	4	3
bachelor's degree high school degree	40 to 49 years old	30.00 0 or less	female	4	4	4	4	4	4	4	4	4	4	4	6	5	6	4	3	3	3	3	3	4	4	4	4	4	4	6	6	4	2
bachelor's degree master's degree	30 to 39 years old	30.00 1 to 60.00 0	female	4	4	2	4	2	2	4	4	4	2	2	2	6	4	3	3	3	4	3	4	2	2	2	2	4	5	2	2	4	
bachelor's degree	20 to 29 years old	I prefer not to answer	female	2	2	2	2	2	2	2	2	2	2	2	2	6	4	3	4	4	4	4	2	2	2	2	2	2	2	6	2	2	1
bachelor's degree high school degree	30 to 39 years old	30.00 0 or less	female	2	2	3	2	2	2	2	2	2	2	5	3	5	6	4	2	3	4	4	4	2	2	2	2	2	2	6	6	2	5
bachelor's degree master's degree	30 to 39 years old	30.00 0 or less	female	2	2	2	2	2	2	2	2	2	2	2	6	5	4	4	2	3	4	4	4	2	2	2	5	2	4	5	2	3	
bachelor's degree master's degree	30 to 39 years old	30.00 1 to 60.00 0	female	2	4	3	4	2	2	2	4	4	2	6	6	4	4	2	4	3	4	4	4	2	2	2	2	4	4	6	2	1	
bachelor's degree	30 to 39 years old	30.00 1 to 60.00 0	male	2	5	6	4	6	3	2	4	4	6	3	6	4	5	2	3	3	2	4	2	6	6	6	4	5	6	6	6	7	

bachelor's degree high school degree	40 to 49 years old	30.00 or less	male	6	4	4	4	4	4	4	6	4	6	2	6	7	5	5	2	5	2	1	1	4	4	4	4	6	4	4	6	6	6	1
bachelor's degree master's degree	40 to 49 years old	30.00 or less	male	6	4	4	5	4	4	4	6	6	6	2	6	4	6	5	2	5	2	1	1	4	4	4	4	6	4	4	4	4	6	5
bachelor's degree	30 to 39 years old	30.00 or less	female	6	5	4	4	4	4	4	6	6	6	2	3	4	6	5	2	5	1	1	1	4	4	4	4	6	4	4	4	4	6	3
bachelor's degree	20 to 29 years old	30.00 or less	male	4	3	4	4	4	4	4	4	6	6	4	6	4	5	5	2	2	1	1	1	4	4	4	6	6	4	4	4	4	5	1
bachelor's degree high school degree	50 to 59 years old	30.00 or less	male	4	5	2	2	2	2	4	6	6	4	6	4	6	5	2	2	1	1	1	2	2	5	2	2	2	5	4	3			
bachelor's degree high school degree	30 to 39 years old	30.00 or less	male	7	3	6	7	7	7	2	6	7	7	2	2	6	7	2	5	2	2	1	6	7	7	6	7	6	6	6	6	6	5	
bachelor's degree master's degree	40 to 49 years old	90.00 to 150.00	male	7	6	6	7	7	4	4	6	4	7	4	2	5	5	6	5	2	1	3	7	7	6	6	7	6	6	6	6	6	6	
bachelor's degree high school degree	30 to 39 years old	30.00 to 60.00	male	6	5	6	5	6	6	6	6	5	5	6	7	6	7	2	5	3	2	2	6	6	6	6	7	6	6	6	6	6	6	
bachelor's degree	30 to 39 years old	I prefer not to answer	female	6	6	6	6	6	3	6	6	5	6	5	5	6	7	2	5	4	1	1	6	6	6	6	7	6	6	5	6	2		
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	7	4	6	5	1	6	7	2	2	5	5	7	5	5	6	5	2	1	1	6	6	4	6	6	6	6	6	5	2		
bachelor's degree	30 to 39 years old	30.00 to 60.00	male	6	7	6	7	6	3	6	7	7	6	6	6	4	5	2	7	1	2	2	6	6	6	6	7	4	6	6	2			
bachelor's degree high school degree	30 to 39 years old	I prefer not to answer	male	6	7	3	7	6	6	6	7	7	6	6	6	4	5	2	7	1	2	2	6	6	6	6	7	5	6	6	2			
bachelor's degree	50 to 59 years old		female	6	5	6	5	6	5	6	7	7	5	5	6	4	5	6	7	1	2	2	6	6	6	6	7	4	6	6	6			

bachelor's degree master's degree	20 to 29 years old	30.00 or less	female	1	7	6	7	1	6	6	7	7	6	6	6	4	5	2	7	1	2	2	6	6	6	6	7	4	6	6	7	
bachelor's degree	30 to 39 years old	30.00 or less	female	4	6	4	5	4	4	4	6	5	4	5	6	4	4	6	7	2	3	3	4	4	4	4	4	6	4	6	4	6
bachelor's degree high school degree	30 to 39 years old	30.00 or less	male	2	2	2	2	2	2	2	2	2	2	4	4	6	4	3	4	4	4	4	2	2	2	2	2	2	6	4	2	1
bachelor's degree	20 to 29 years old	30.00 or less	female	2	2	2	2	2	2	2	2	2	2	6	6	6	4	3	4	4	4	4	2	2	2	2	2	2	6	6	2	3
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	4	3	4	6	4	4	4	6	6	4	5	6	4	4	3	4	2	3	3	4	4	4	4	4	6	4	6	4	2
bachelor's degree high school degree	30 to 39 years old	30.00 or less	male	4	4	4	4	4	4	4	4	4	4	5	6	6	4	3	3	3	3	3	4	4	4	4	4	6	6	4	1	
bachelor's degree master's degree	20 to 29 years old	30.00 or less	male	4	4	2	4	2	2	4	4	4	2	2	2	6	4	3	3	3	4	3	4	2	2	2	2	4	6	2	2	7
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	2	2	2	2	2	2	2	2	2	2	2	2	6	4	3	4	4	4	4	2	2	2	2	2	6	2	2	6	
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	6	5	6	6	1	6	6	6	6	6	7	7	6	5	2	4	2	2	2	6	6	6	6	6	6	7	6	2	
bachelor's degree	40 to 49 years old	30.00 to 60.00	female	2	2	2	2	2	2	2	2	2	2	6	5	6	4	7	3	4	4	4	2	2	2	2	2	6	6	2	4	
bachelor's degree	60 to 69 years old	60.00 to 90.00	female	2	2	2	2	2	2	2	2	2	2	6	6	4	4	2	3	4	4	4	2	2	2	2	2	4	5	2	1	
bachelor's degree master's degree	20 to 29 years old	30.00 or less	male	2	4	2	4	2	2	2	4	4	2	6	6	4	4	2	4	3	4	4	2	2	2	2	4	4	6	2	4	
bachelor's degree high school degree	50 to 59 years old	30.00 or less	male	2	4	6	4	6	6	2	4	4	6	6	5	4	5	7	3	3	2	4	2	6	6	5	4	4	6	6	4	
bachelor's degree	50 to 59 years old	30.00 to 60.00	female	6	7		7	7	7	5	7	7	2	6	6	7		7	2	1			7	4	7	7	7	7	6	7	5	

bachelor's degree master's degree	20 to 29 years old	30.00 or less	male	6	6	5	6	6	6	6	6	6	6	6	7	7	6	5	2	4	2	2	2	2	6	6	6	6	6	6	7	6	6
bachelor's degree high school degree	60 to 69 years old	30.00 to 60.00	female	6	6	5	6	6	6	6	5	6	6	7	7	6	5	7	3	2	2	2	2	2	6	6	6	6	6	6	7	6	4
bachelor's degree high school degree	60 to 69 years old	90.00 to 150.00	male	6	6	4	6	4	4	5	6	6	4	4	6	4	4	4	2	2	2	3	2	6	4	4	4	6	4	6	4	6	
bachelor's degree high school degree	50 to 59 years old		male	6	5	5	7	6	5	6	7	7	5	6	5	6	5	2	3	1	2	2	2	6	6	6	6	7	6	6	6	5	
bachelor's degree	40 to 49 years old	30.00 to 60.00	male	6	7	5	7	6	6	6	7	7	6	5	6	5	5	7	2	1	2	2	2	6	6	6	6	7	6	6	6	6	
bachelor's degree	30 to 39 years old	30.00 or less	male	1	5	6	7	1	6	6	7	7	6	2	6	6	5	2	2	1	2	2	2	6	6	6	6	7	6	6	6	7	
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	6	7	5	7	6	6	5	7	7	5	5	6	5	5	2	4	1	2	2	2	6	6	6	6	7	6	6	6	4	
bachelor's degree	30 to 39 years old	30.00 or less	female	6	5	6	7	6	6	6	7	7	6	2	6	6	3	7	3	1	2	2	2	6	6	6	6	7	6	6	6	4	
bachelor's degree	30 to 39 years old	30.00 or less	female	7	6	5	6	1	5	7	6	6	6	7	7	5	5	1	4	2	2	1	7	6	6	6	6	6	7	6	4		
bachelor's degree master's degree	20 to 29 years old	30.00 or less	female	6	6	6	6	6	6	6	6	6	5	7	7	6	5	1	4	2	2	2	2	6	6	6	6	6	6	7	6	6	
bachelor's degree master's degree	40 to 49 years old	30.00 to 60.00	female	7	6	7	6	7	7	7	5	6	7	7	7	6	7	1	4	2	1	1	7	7	7	7	7	6	6	7	7	1	
bachelor's degree	30 to 39 years old	30.00 or less	female	7	1	2	6	5	6	6	6	2	6	5	7	6	4	4	7	1	2	1	6	6	6	6	6	6	6	6	6	6	
bachelor's degree	30 to 39 years old	30.00 or less	female	7	5	2	6	6	5	5	6	2	6	2	7	5	4	3	7	1	2	1	6	6	6	6	6	6	6	6	6	7	
bachelor's degree master's degree	20 to 29 years old	30.00 or less	female	7	1	2	4	7	6	7	6	2	2	5	7	6	4	3	7	1	1	2	7	6	4	6	6	6	6	6	6	2	

bachelor's degree	30 to 39 years old	30.00 or less	female	1	1	6	7	2	4	7	5	4	7	4	6	6	5	4	4	3	3	2	4	6	6	6	7	4	7	4	1
bachelor's degree high school degree	30 to 39 years old	I prefer not to answer	male	7	6	4	2	7	4	6	6	7	5	6	4	4	7	3	3	3	2	5	6	4	7	6	7	4	6	6	5
bachelor's degree high school degree	50 to 59 years old	I prefer not to answer	female	7	6	4	2	7	4	6	1	7	6	5	4	4	7	3	3	3	2	2	6	4	7	6	7	4	6	6	1
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	7	3	4	2	5	4	6	4	6	4	4	4	4	5	3	2	3	2	2	6	4	6	4	6	4	4	4	4
bachelor's degree	30 to 39 years old	30.00 or less	male	7	4	6	6	4	6	6	1	6	6	4	7	6	5	3	2	1	3	3	4	7	6	7	6	7	6	7	2
bachelor's degree	40 to 49 years old	30.00 1 to 60.00 0	female	7	4	6	6	4	6	6	7	6	6	4	7	6	5	3	3	1	3	3	4	7	6	7	6	7	6	7	7
bachelor's degree	30 to 39 years old	30.00 1 to 60.00 0	female	7	4	6	6	4	6	6	7	6	5	2	7	6	7	3	3	1	2	3	6	7	7	6	6	7	7	7	5
bachelor's degree high school degree	20 to 29 years old	30.00 or less	male	7	6	6	7	4	6	6	7	6	2	1	6	6	7	3	3	1	5	2	1	6	7	6	5	7	7	7	1
bachelor's degree high school degree	50 to 59 years old	30.00 or less	female	7	1	6	7	4	5	6	6	6	2	2	6	6	7	3	4	1	4	2	2	6	7	6	2	4	7	7	6
bachelor's degree	30 to 39 years old	30.00 or less	male	7	3	6	7	2	6	7	6	6	7	2	5	6	5	3	4	1	4	2	2	6	6	6	7	4	7	7	6
bachelor's degree	40 to 49 years old	I prefer not to answer	female	7	1	6	4	7	6	7	6	2	2	4	4	6	5	3	3	5	1	2	7	6	4	6	6	6	6	5	3
bachelor's degree master's degree	20 to 29 years old	30.00 or less	female	7	5	4	4	6	4	5	4	2	6	7	4	6	5	3	3	1	1	5	6	4	4	4	4	4	6	4	7
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	7	1	4	4	6	4	6	4	2	5	6	4	7	5	3	2	1	2	2	6	4	4	4	4	4	4	4	5



Ph.D, MD, JD or similar	30 to 39 years old	30.00 or less	female	1	2	6	4	6	5	7	6	6	6	5	6	6	5	3	2	2	1	1	7	6	6	6	6	6	6	6	1
I prefer not to answer	I prefer not to answer	I prefer not to answer	I prefer not to answer	7	2	5	2	6	6	6	1	6	6	2	6	6	5	3	2	2	1	2	6	6	6	6	6	6	6	6	4
bachelor's degree	30 to 39 years old	I prefer not to answer	female	7	2	6	2	6	6	5	6	6	5	6	6	5	3	2	2	1	2	6	6	6	6	5	6	6	6	3	
bachelor's degree	30 to 39 years old	I prefer not to answer	female	7	2	5	2	6	6	6	6	6	5	6	6	5	3	2	2	1	5	6	6	6	6	6	6	6	6	6	
bachelor's degree	30 to 39 years old	I prefer not to answer	female	7	4	5	2	6	5	5	6	6	6	3	6	6	5	3	3	2	1	2	6	6	6	6	6	6	6	2	
bachelor's degree high school degree	30 to 39 years old	30.001 to 60.000	male	7	6	4	4	6	4	4	4	6	4	4	4	4	5	2	3	3	2	3	4	4	6	4	6	4	4	2	
bachelor's degree high school degree	30 to 39 years old	30.001 to 60.000	male	7	6	4	6	6	4	4	4	6	4	4	4	4	5	2	3	3	2	3	4	4	6	4	6	4	4	6	
bachelor's degree master's degree	30 to 39 years old	30.001 to 60.000	male	7	4	5	6	4	6	4	4	4	4	4	6	6	4	2	3	2	2	3	4	6	4	4	4	6	4	4	
bachelor's degree	30 to 39 years old	30.001 to 60.000	female	7	4	6	6	4	6	4	2	4	2	2	6	6	4	2	3	2	4	3	4	6	4	2	4	6	2	2	7
bachelor's degree master's degree	30 to 39 years old	60.001 to 90.000	female	7	2	5	6	2	6	2	2	2	2	2	5	6	4	2	3	2	4	4	2	6	2	2	2	6	2	2	1
bachelor's degree	30 to 39 years old	30.000 or less	female	7	2	5	6	2	6	2	2	2	2	2	6	6	4	2	3	2	3	4	2	6	2	2	2	6	2	2	1
bachelor's degree	40 to 49 years old	30.000 or less	male	6	6	6	6	6	6	5	1	6	6	7	7	6	5	4	7	2	2	2	6	6	6	6	6	6	7	6	6
bachelor's degree master's degree	30 to 39 years old	30.001 to 60.000	female	6	6	6	6	6	6	6	6	6	5	7	7	6	5	4	7	2	2	2	6	6	6	6	6	6	7	6	7

I prefer not to answer	30 to 39 years old	I prefer not to answer	female	7	6	5	6	6	6	6	6	4	4	4	3	6	7	5	3	7	2	2	2	6	6	6	7	6	6	6	6	6	
bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	6	7	6	6	5	7	7	6	6	6	4	5	3	7	1	2	2	2	6	6	6	6	7	4	6	6	2	
bachelor's degree	40 to 49 years old	30.00 or less	female	4	6	4	6	4	4	4	6	6	4	6	6	4	4	3	7	2	3	3	4	4	4	4	4	6	4	6	4	5	
bachelor's degree	30 to 39 years old	30.00 or less	female	4	6	4	6	4	4	4	6	6	4	3	6	4	4	3	7	2	3	3	4	4	4	4	4	6	4	6	4	3	
bachelor's degree	30 to 39 years old	30.00 or less	male	4	4	4	4	4	4	4	4	4	4	6	6	6	4	3	7	3	3	3	4	4	4	4	4	4	6	6	4	2	
				4	4	2	4	2	2	4	4	4	2	2	2	6	4	3	7	3	4	3	4	2	2	2	2	4	6	2	2	3	
bachelor's degree	40 to 49 years old	30.00 or less	male	2	2	2	2	2	2	2	2	2	2	2	2	5	4	3	7	4	4	4	2	2	2	2	2	2	2	6	2	2	3
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	6	7	6	7	6	5	6	7	7	6	6	6	4	5	3	7	1	2	2	2	6	6	6	6	7	4	6	6	3	
bachelor's degree high school degree	40 to 49 years old	30.00 or less	female	7	6	6	6	6	6	6	4	4	4	3	6	7	5	3	7	2	2	2	2	6	6	6	7	6	6	5	6	1	
λιγότερο από bachelor's degree γυμνασίου	60 to 69 years old	30.00 or less	female	7	6	7	6	7	7	7	6	6	7	7	7	6	7	3	7	2	1	1	7	7	7	7	7	6	6	7	7	7	
bachelor's degree high school degree	60 to 69 years old	30.00 or less	male	7	6	5	6	6	6	7	6	6	6	7	7	5	5	3	7	2	2	1	7	6	6	6	6	6	7	6	6		
bachelor's degree high school degree	30 to 39 years old	30.00 or less	female	2	4	6	4	6	6	2	4	4	6	3	6	4	5	3	7	3	2	4	2	6	6	6	6	4	4	6	6	7	
bachelor's degree high school degree	30 to 39 years old	30.00 or less	female	6	6	4	6	4	4	6	6	6	4	3	6	4	4	3	7	2	3	2	6	4	4	4	6	4	6	4	2		
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	6	6	6	6	6	6	6	6	6	6	7	7	5	5	3	7	2	2	2	6	6	6	6	6	6	7	6	6		

bachelor's degree high school degree	40 to 49 years old	30.00 or less	female	6	6	5	6	6	6	5	6	6	6	7	7	6	5	3	7	2	2	2	6	6	5	6	6	7	6	7	
bachelor's degree master's degree	30 to 39 years old	30.00 to 60.00	female	6	7	6	7	5	5	5	7	7	6	6	6	4	5	2	7	1	2	2	6	6	6	6	7	4	6	6	6
bachelor's degree	20 to 29 years old	I prefer not to answer	female	6	5	6	7	6	6	6	7	7	6	5	6	4	5	2	7	1	2	2	6	6	6	6	7	4	6	6	3
bachelor's degree high school degree	30 to 39 years old	30.00 or less	female	6	7	5	7	5	6	6	7	7	6	6	6	6	5	2	7	1	2	2	6	6	6	6	7	6	6	6	5
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	6	7	6	7	6	6	5	7	7	6	7	6	6	5	2	7	1	2	2	6	6	6	6	7	6	6	6	2
bachelor's degree master's degree	30 to 39 years old	30.00 to 60.00	female	2	2	2	2	2	2	2	2	2	2	4	4	6	4	4	4	4	4	4	2	2	2	2	2	6	4	2	2
bachelor's degree	30 to 39 years old	30.00 to 60.00	male	2	2	2	2	2	2	2	2	2	2	6	5	6	4	3	4	4	4	4	2	2	2	2	2	6	6	2	4
bachelor's degree high school degree	40 to 49 years old	30.00 or less	male	2	5	2	2	2	2	2	2	2	2	7	6	4	4	6	4	4	4	4	2	2	2	2	2	4	6	2	3
bachelor's degree master's degree	40 to 49 years old	30.00 or less	male	2	4	2	4	2	2	2	4	4	2	6	6	4	4	3	4	3	4	4	2	2	2	2	4	4	6	2	5
bachelor's degree	30 to 39 years old	30.00 or less	female	1	6	6	4	6	6	5	7	6	7	7	6	7	5	5	5	2	2	1	4	6	6	7	4	6	6	6	7
bachelor's degree	20 to 29 years old	30.00 or less	male	7	5	6	4	6	6	6	6	6	4	6	6	7	5	3	5	2	2	1	4	6	6	7	4	6	6	6	7
bachelor's degree high school degree	50 to 59 years old	30.00 or less	male	2	2	2	2	2	2	2	2	2	2	3	6	6	4	3	4	4	4	4	2	2	2	2	2	6	6	2	2
bachelor's degree high school degree	30 to 39 years old	30.00 or less	male	7	6	6	6	6	6	6	4	4	4	5	7	5	3	5	2	2	2	6	6	6	7	6	6	6	6	4	
bachelor's degree	40 to 49 years old	90.00 to 100.00	male	7	3	6	6	6	6	5	6	4	4	5	7	5	5	5	2	2	2	6	6	6	7	6	6	6	6	4	



bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	4	6	4	6	4	4	4	4	6	6	4	5	6	4	4	3	2	2	3	3	4	4	4	4	6	4	6	4	1
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	4	4	4	4	4	4	4	4	4	4	4	5	6	6	4	3	3	3	3	3	4	4	4	4	4	6	6	4	6
bachelor's degree	40 to 49 years old	30.00 1 to 60.00	female	4	4	2	4	2	2	4	4	4	2	2	2	6	4	7	3	3	4	3	4	2	2	2	2	4	6	2	2	5
bachelor's degree	60 to 69 years old	60.00 1 to 90.00	female	2	2	2	2	2	2	2	2	2	2	2	2	5	4	3	4	4	4	4	2	2	2	2	2	2	6	2	2	6
bachelor's degree master's degree	20 to 29 years old	30.00 or less	male	7	4	1	6	6	6	7	2	6	6	5	7	6	5	7	5	2	1	1	6	6	4	6	6	6	6	7	2	
bachelor's degree high school degree	50 to 59 years old	30.00 or less	male	4	6	4	6	4	4	4	6	6	4	6	6	4	4	3	4	2	3	3	4	4	4	4	4	6	4	6	4	4
bachelor's degree	50 to 59 years old	30.00 1 to 60.00	female	4	4	4	4	4	4	4	4	4	4	4	6	6	6	4	7	3	3	3	3	4	4	4	4	4	6	6	4	1
bachelor's degree master's degree	20 to 29 years old	30.00 or less	male	4	4	2	4	2	2	4	4	4	2	2	2	6	4	3	3	3	4	3	4	2	2	2	2	4	6	2	2	6
bachelor's degree high school degree	60 to 69 years old	30.00 1 to 60.00	female	2	2	2	2	2	2	2	2	2	2	2	2	6	4	3	4	4	4	4	2	2	2	2	2	2	6	2	2	1
bachelor's degree high school degree	60 to 69 years old	90.00 1 to 150.00	male	1	6	6	6	6	6	6	6	6	6	6	7	7	6	5	2	4	2	2	2	6	6	6	6	6	6	7	6	4
bachelor's degree high school degree	50 to 59 years old		male	2	2	2	2	2	2	2	2	2	2	2	6	6	6	4	2	3	4	4	4	2	2	2	2	2	6	6	2	3
bachelor's degree	40 to 49 years old	30.00 1 to 60.00	male	2	2	2	2	2	2	2	2	2	2	2	6	6	4	4	7	3	4	4	4	2	2	2	2	2	4	6	2	3
bachelor's degree	30 to 39 years old	30.00 or less	male	2	4	2	4	2	2	2	4	4	2	6	6	4	4	2	4	3	4	4	4	2	2	2	2	4	4	6	2	3
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	2	4	6	4	6	6	2	4	4	6	6	6	4	5	6	3	3	2	4	2	6	6	6	6	4	4	6	6	1

bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	6	7	1	6	6	7	7	6	6	4	5	2	1	1	2	2	6	6	6	6	7	4	6	6	4	
bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	6	7	6	6	6	7	7	6	6	4	5	2	2	1	2	2	6	6	6	6	7	4	6	6	5	
bachelor's degree master's degree	20 to 29 years old	30.00 or less	female	6	7		7	7	6	7	7	2	6	6	7		7	2	1			7	4	7	7	7	7	6	7	6	
bachelor's degree master's degree	40 to 49 years old	30.00 to 60.00	female	6	6	6	6	1	6	6	6	6	6	7	7	6	5	2	4	2	2	2	6	6	6	6	6	6	7	6	4
bachelor's degree	30 to 39 years old	30.00 or less	female	6	6	1	6	6	6	6	6	6	6	7	7	6	3	7	3	2	2	2	6	6	6	6	6	6	7	6	1
bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	1	7	6	6	6	7	7	6	6	4	5	2	2	1	2	2	6	6	6	6	6	7	4	6	6	1
bachelor's degree master's degree	20 to 29 years old	30.00 or less	female	6	6	6	6	6	6	6	6	6	6	7	7	6	3	2	4	2	2	2	6	6	6	6	6	6	7	6	1
bachelor's degree	30 to 39 years old	30.00 or less	female	6	6	1	6	6	6	6	6	6	6	7	7	6	5	2	3	2	2	5	6	6	6	6	6	6	7	6	5
bachelor's degree high school degree	30 to 39 years old	I prefer not to answer	male	6	7	6	7	6	6	6	7	7	6	5	5	4	5	2	4	1	2	2	6	6	6	6	7	4	6	6	3
bachelor's degree high school degree	50 to 59 years old	I prefer not to answer	female	6	4	4	4	4	4	6	4	6	2	6	7	6	3	2	5	2	1	1	4	4	4	4	6	4	4	6	3
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	6	4	4	4	4	4	6	6	6	2	6	4	6	5	2	5	2	1	1	4	4	4	6	4	4	4	6	5
bachelor's degree	30 to 39 years old	30.00 or less	male	6	7	5	7	6	6	6	7	7	6	5	5	4	3	2	2	1	2	2	6	6	6	6	7	4	6	6	6
bachelor's degree	40 to 49 years old	30.00 to 60.00	female	6	6	4	6	4	4	6	6	6	4	5	6	4	4	2	1	2	3	2	6	4	4	4	6	4	6	4	7
bachelor's degree	30 to 39 years old	30.00 to 1 to	female	4	6	4	6	4	4	4	6	6	4	6	6	4	4	2	2	2	3	3	4	4	4	4	6	4	6	4	2



bachelor's degree high school degree	30 to 39 years old	30.00 1 to 60.00 0	male	7	6	5	7	7	7	2	6	7	7	2	2	6	7	2	5	2	2	1	6	7	7	6	7	6	6	6	1
bachelor's degree master's degree	30 to 39 years old	30.00 1 to 60.00 0	male	7	6	6	7	7	4	4	6	4	7	4	2	6	5	2	5	2	1	3	7	7	6	6	7	6	6	6	1
bachelor's degree	30 to 39 years old	30.00 1 to 60.00 0	femal e	6	5	6	6	6	6	6	6	6	6	7	3	7	2	5	3	2	2	2	6	6	6	7	6	6	6	5	
bachelor's degree master's degree	30 to 39 years old	60.00 1 to 90.00 0	femal e	6	6	6	6	6	6	6	6	6	6	7	1	7	2	5	4	1	1	1	6	6	6	7	6	6	6	5	
bachelor's degree	30 to 39 years old	30.00 0 or less	femal e	7	4	5	6	1	6	7	2	2	6	6	7	6	5	2	5	2	1	1	6	6	4	6	6	6	6	7	4
bachelor's degree	40 to 49 years old	30.00 0 or less	male	6	7	6	7	6	6	6	7	7	6	6	6	6	5	2	2	1	2	2	6	6	6	6	7	6	6	6	4
bachelor's degree master's degree	30 to 39 years old	30.00 1 to 60.00 0	femal e	6	5	6	7	6	6	6	7	7	6	6	6	1	5	2	4	1	2	2	6	6	6	6	7	6	6	6	6
I prefer not to answer	30 to 39 years old	I prefer not to answer	femal e	6	7	5	7	1	6	6	7	7	6	6	6	3	5	2	3	1	2	2	6	6	6	6	7	6	6	6	6
bachelor's degree	30 to 39 years old	30.00 0 or less	femal e	7	6	6	6	6	6	7	6	6	6	7	7	6	5	1	4	2	2	1	7	6	6	6	6	6	7	6	2
bachelor's degree	40 to 49 years old	30.00 0 or less	femal e	6	6	6	6	6	6	6	6	6	6	7	7	6	5	1	4	2	2	2	6	6	6	6	6	6	7	6	3
bachelor's degree	30 to 39 years old	30.00 0 or less	femal e	6	7	6	7	1	6	6	6	6	7	6	6	7	7	2	7	1	3	2	4	4	6	6	7	4	6	6	5
bachelor's degree	30 to 39 years old	30.00 0 or less	male	6	5	4	6	4	4	6	4	4	6	4	4	1	3	2	7	2	3	3	4	4	4	4	6	4	6	4	3
				6	7	1	7	6	6	6	6	6	7	6	1	7	7	2	7	1	3	2	4	4	6	6	7	4	6	6	3
bachelor's degree	40 to 49 years old	30.00 0 or less	male	5	6	5	6	6	6	6	6	6	6	6	6	6	5	2	7	2	2	2	6	6	6	6	6	6	7	6	3



bachelor's degree	30 to 39 years old	30.00 or less	male	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	1	6	5	2	7	2	2	2	6	6	6	6	6	6	7	6	1
bachelor's degree high school degree	40 to 49 years old	30.00 or less	female	7	6	1	6	6	6	7	6	6	6	6	6	6	6	3	3	3	2	2	2	2	2	6	6	6	6	6	6	6	7	6	5	
λιγότερο από bachelor's degree γυμνασίου	60 to 69 years old	30.00 or less	female	7	6	7	6	7	7	7	7	7	7	6	7	6	5	3	3	2	2	1	6	6	7	7	6	6	7	7	6	7	7	3		
bachelor's degree high school degree	60 to 69 years old	30.00 or less	male	4	5	4	6	4	4	4	4	4	4	6	4	4	6	3	2	5	2	3	3	4	4	4	4	6	4	6	4	6	4	6		
bachelor's degree high school degree	30 to 39 years old	30.00 or less	female	4	6	4	6	4	4	4	4	4	6	4	4	6	5	2	5	2	3	3	4	4	4	4	6	4	6	4	6	4	5			
bachelor's degree high school degree	30 to 39 years old	30.00 or less	female	6	6	5	6	6	6	6	6	6	6	6	6	6	3	2	3	2	2	2	2	6	6	6	6	6	6	6	7	6	1			
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	6	5	6	6	6	6	6	6	6	6	6	6	1	6	5	2	3	2	2	2	6	6	6	6	6	6	6	7	6	2			
bachelor's degree high school degree	40 to 49 years old	30.00 or less	female	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	5	3	2	3	6	6	4	4	4	4	6	6	4	5				
bachelor's degree master's degree	30 to 39 years old	30.00 1 to 60.00	female	4	4	2	4	2	2	4	2	2	4	2	2	4	4	1	5	3	2	4	6	6	2	2	4	6	2	2	4					
bachelor's degree	20 to 29 years old	I prefer not to answer	female	6	7	1	7	6	6	6	6	6	7	6	6	7	3	1	3	1	3	2	4	4	6	6	6	7	4	6	6	5				
bachelor's degree high school degree	30 to 39 years old	30.00 or less	female	6	7	6	7	6	6	6	6	6	7	6	1	7	7	1	3	1	3	2	4	4	6	6	6	7	4	6	6	2				
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	2	2	2	2	2	2	2	2	2	2	2	2	2	4	1	5	4	2	4	6	6	2	2	2	6	2	2	6					
bachelor's degree master's degree	30 to 39 years old	30.00 1 to 60.00	female	2	2	2	2	2	2	2	2	2	2	2	2	4	1	5	4	2	4	6	6	2	2	2	6	4	2	3						
bachelor's degree	30 to 39 years old	30.00 1 to	male	2	2	2	2	2	2	2	2	2	2	2	2	4	1	5	4	2	4	6	6	2	2	2	6	6	2	3						





bachelor's degree	20 to 29 years old	30.00 or less	male	6	6	1	5	6	6	6	6	6	6	6	7	6	7	2	5	3	2	2	6	6	6	7	6	6	6	6	3
bachelor's degree	60 to 69 years old	30.00 to 60.00	female	6	6	5	6	6	6	6	6	6	6	6	7	6	7	2	5	4	1	1	6	6	6	7	6	6	6	6	6
bachelor's degree	60 to 69 years old	90.00 to 150.00	male	7	4	6	6	6	6	7	2	2	6	5	7	6	5	2	5	2	1	1	6	6	4	6	6	6	6	7	5
bachelor's degree	50 to 59 years old		male	7	6	5	5	6	6	7	6	6	6	7	7	6	5	1	4	2	2	1	7	6	6	6	6	6	7	6	5
bachelor's degree	40 to 49 years old	30.00 to 60.00	male	6	6	6	1	6	6	6	6	6	6	7	7	6	5	1	4	2	2	2	6	6	6	6	6	6	7	6	7
bachelor's degree	30 to 39 years old	30.00 or less	male	2	6	2	2	2	2	2	6	6	4	6	6	6	7	3	7	1	1	1	2	2	6	2	2	2	2	2	4
bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	6	7	6	6	6	7	7	6	6	6	4	5	2	7	1	2	2	6	6	6	6	7	4	6	6	1
bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	6	7	6	6	6	7	7	6	6	6	4	5	2	7	1	2	2	6	6	6	6	7	4	6	6	3
bachelor's degree	30 to 39 years old	30.00 or less	female	6	7		1	7	7	6	7	7	2	6	6	7		2	7	1			7	4	7	7	7	7	6	7	2
bachelor's degree	20 to 29 years old	30.00 or less	female	4	6	4	4	4	4	4	6	6	4	6	4	6	5	2	7	1	1	1	4	4	6	6	4	4	4	4	2
bachelor's degree	40 to 49 years old	30.00 to 60.00	female	4	6	2	2	2	2	4	6	6	4	6	4	6	5	2	7	1	1	1	2	2	6	2	2	2	4	4	4
bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	6	7	6	6	6	7	7	6	5	6	6	5	2	7	1	2	2	6	6	6	6	7	6	6	6	2
bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	5	1	6	6	6	7	7	6	6	6	6	5	2	7	1	2	2	6	6	6	6	7	6	3	6	3
bachelor's degree	20 to 29 years old	30.00 or less	female	6	7	1	1	6	6	6	7	7	6	6	6	6	5	2	7	1	2	2	6	6	6	6	7	6	6	6	7

bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	5	7	6	6	6	7	7	6	6	6	5	2	7	1	2	2	6	6	6	6	7	6	6	6	1		
bachelor's degree high school degree	30 to 39 years old	I prefer not to answer	male	6	7	6	1	6	6	6	7	7	6	5	6	6	5	2	7	1	2	2	6	6	6	6	7	6	6	6	2	
bachelor's degree high school degree	50 to 59 years old	I prefer not to answer	female	2	2	5	2	2	2	2	2	2	2	4	4	6	4	3	4	4	4	4	2	2	2	2	2	2	6	4	2	2
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	2	2	2	2	2	2	2	2	2	2	6	6	6	4	3	4	4	4	4	2	2	2	3	2	6	6	2	2	
bachelor's degree	30 to 39 years old	30.00 or less	male	7	4	6	6	6	6	7	2	6	6	5	7	6	5	3	5	2	1	1	6	6	4	6	6	6	6	7	6	
bachelor's degree	40 to 49 years old	30.00 1 to 60.00 0	female	2	2	2	2	2	2	2	2	2	2	6	6	6	4	2	3	4	4	4	2	2	2	2	2	6	6	2	3	
bachelor's degree	30 to 39 years old	30.00 1 to 60.00 0	female	2	2	2	2	2	2	2	2	2	2	6	6	4	4	2	3	4	4	4	2	2	2	2	2	4	6	2	6	
bachelor's degree high school degree	20 to 29 years old	30.00 or less	male	2	4	2	4	2	2	2	4	4	2	5	6	4	4	2	4	3	4	4	2	2	2	2	4	4	6	2	1	
bachelor's degree high school degree	50 to 59 years old	30.00 or less	female	2	4	6	1	6	6	2	4	4	6	6	6	4	5	2	3	3	2	4	2	6	6	6	4	4	6	6	3	
bachelor's degree	30 to 39 years old	30.00 or less	male	6	4	4	4	4	4	5	4	6	2	5	7	6	5	2	5	2	1	1	4	4	4	6	4	4	6	6	2	
bachelor's degree	40 to 49 years old	I prefer not to answer	female	3	4	4	1	4	4	6	6	6	2	6	4	6	5	2	5	2	1	1	4	4	4	6	4	4	4	6	7	
bachelor's degree master's degree	20 to 29 years old	30.00 or less	female	6	4	4	4	4	4	6	6	6	2	6	4	6	5	2	5	1	1	1	4	4	4	6	4	4	4	6	2	
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	7	6	6	7	7	7	2	6	7	7	2	2	6	7	2	5	2	2	1	6	7	7	6	7	6	6	6	4	

Ph.D, MD, JD or similar	30 to 39 years old	30.00 or less	female	7	6	6	1	7	4	4	6	4	7	4	2	6	5	2	5	2	1	3	7	7	6	6	7	6	6	6	2	
I prefer not to answer	I prefer not to answer	I prefer not to answer	I prefer not to answer	3	6	6	6	6	6	5	6	6	6	5	7	6	7	2	5	3	2	2	6	6	6	7	6	6	6	6	2	
bachelor's degree	30 to 39 years old	I prefer not to answer	female	6	6	6	1	6	6	6	6	6	6	7	6	7	2	5	4	1	1	6	6	6	7	6	6	6	6	6		
bachelor's degree	30 to 39 years old	I prefer not to answer	female	7	4	6	6	6	6	7	2	2	6	6	7	6	5	2	3	2	1	1	6	6	4	6	6	6	6	7	1	
bachelor's degree	30 to 39 years old	I prefer not to answer	female	6	7		7	7	7	5	7	7	2	6	1	7		2	7	1			7	4	7	7	7	7	6	7	4	
bachelor's degree high school degree	30 to 39 years old	30.001 to 60.000	male	6	7	6	1	6	6	6	7	7	6	5	6	6	5	2	7	1	2	2	6	6	6	6	6	7	6	6	2	
bachelor's degree high school degree	30 to 39 years old	30.001 to 60.000	male	6	7	6	7	6	6	5	7	7	6	6	1	6	5	2	7	1	2	2	6	6	6	6	7	6	6	6	5	
bachelor's degree master's degree	30 to 39 years old	30.001 to 60.000	male	2	4	2	2	2	2	2	6	6	7	4	1	4	4	1	7	2	3	2	2	2	4	6	2	2	2	2	5	
bachelor's degree	30 to 39 years old	30.001 to 60.000	female	4	4	2	2	2	2	4	6	6	7	4	2	4	4	1	7	2	4	2	2	2	4	6	2	2	2	4	4	
bachelor's degree master's degree	30 to 39 years old	60.001 to 90.000	female	2	2	2	2	2	2	2	2	2	2	4	4	6	4	3	4	4	4	4	2	2	2	2	2	2	6	4	2	4
bachelor's degree	30 to 39 years old	30.000 or less	female	2	6	2	2	2	2	2	6	6	4	6	1	6	7	3	4	1	1	1	2	2	6	2	2	2	2	2	4	
bachelor's degree	40 to 49 years old	30.000 or less	male	4	6	4	6	4	4	4	6	6	4	6	6	4	4	3	4	2	3	3	4	4	4	4	6	4	6	4	1	
bachelor's degree master's degree	30 to 39 years old	30.001 to 60.000	female	4	4	4	4	4	4	4	4	4	4	5	6	6	4	3	3	3	3	3	4	4	4	4	4	6	6	4	4	

I prefer not to answer	30 to 39 years old	I prefer not to answer	female	4	4	2	1	2	2	4	4	4	2	2	2	6	4	3	3	3	4	3	4	2	2	2	4	6	3	2	2
bachelor's degree	30 to 39 years old	30.00 or less	female	2	2	2	2	2	2	2	2	2	2	2	2	6	4	3	4	4	4	4	2	2	2	3	2	6	2	2	7
bachelor's degree	40 to 49 years old	30.00 or less	female	7	4	6	6	6	6	7	2	6	6	6	7	6	5	3	5	2	1	1	6	6	4	6	6	6	6	7	4
bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	6	7	6	6	6	7	7	6	6	6	4	5	2	4	1	2	2	6	6	6	6	7	4	6	6	7
bachelor's degree	30 to 39 years old	30.00 or less	male	6	6	4	6	4	4	6	6	6	4	6	4	4	2	4	2	3	2	6	4	4	4	4	6	4	6	4	2
				4	6	4	6	4	4	4	6	6	4	6	4	4	2	4	2	3	3	4	4	4	4	4	6	4	6	4	7
bachelor's degree	40 to 49 years old	30.00 or less	male	6	4	4	4	4	4	6	4	6	2	6	7	6	5	2	5	2	1	1	4	4	4	4	6	4	4	6	3
bachelor's degree master's degree	30 to 39 years old	30.00 or less	male	6	4	4	1	4	4	6	6	6	2	6	4	6	5	2	5	2	1	1	4	4	4	6	4	4	4	6	4
bachelor's degree high school degree	40 to 49 years old	30.00 or less	female	6	4	4	4	4	4	6	6	6	2	6	4	6	5	2	5	1	1	1	4	4	4	6	4	4	4	6	7
λιγότερο από bachelor's degree γυμνασίου	60 to 69 years old	30.00 or less	female	4	6	4	4	4	4	4	6	6	4	6	4	6	5	2	4	1	1	1	4	4	6	6	4	4	4	4	5
bachelor's degree high school degree	60 to 69 years old	30.00 or less	male	4	6	2	2	2	2	4	6	6	4	6	4	6	5	2	4	1	1	1	2	2	6	2	2	2	4	4	2
bachelor's degree high school degree	30 to 39 years old	30.00 or less	female	7	6	6	7	7	7	2	6	7	7	2	2	6	7	2	5	2	2	1	6	7	7	6	7	6	6	6	4
bachelor's degree high school degree	30 to 39 years old	30.00 or less	female	7	6	6	1	7	4	4	6	4	7	4	2	6	5	2	5	2	1	3	7	7	6	6	7	6	6	6	5
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	6	6	6	5	6	6	6	6	6	6	6	7	6	7	2	5	3	2	2	6	6	6	6	7	6	6	6	3

bachelor's degree high school degree	40 to 49 years old	30.00 or less	female	6	6	6	5	6	6	6	6	6	6	6	7	6	7	2	5	4	1	1	6	6	6	7	6	6	6	6	4	
bachelor's degree master's degree	30 to 39 years old	30.001 to 60.000	female	7	4	6	1	6	6	7	2	2	6	6	7	6	5	2	5	2	1	1	6	6	4	6	6	6	6	7	6	
bachelor's degree	20 to 29 years old	I prefer not to answer	female	2	6	2	2	2	2	2	2	6	6	7	4	6	4	7	1	4	1	3	1	2	2	6	6	2	2	2	1	
bachelor's degree high school degree	30 to 39 years old	30.00 or less	female	2	6	2	2	2	2	2	6	6	4	6	6	6	7	1	4	1	3	2	2	2	6	4	2	2	2	2	6	
bachelor's degree master's degree	30 to 39 years old	30.00 or less	female	2	6	2	2	2	2	2	6	6	7	4	6	4	3	1	4	1	3	1	2	2	6	6	2	2	2	2	6	
bachelor's degree master's degree	30 to 39 years old	30.001 to 60.000	female	6	7	6	1	6	6	6	7	7	6	6	6	4	5	2	7	1	2	2	6	6	6	6	7	4	6	6	1	
bachelor's degree	30 to 39 years old	30.001 to 60.000	male	6	7	6	7	6	6	6	7	7	6	5	6	4	5	2	7	1	2	2	6	6	6	6	7	4	6	6	5	
bachelor's degree high school degree	40 to 49 years old	30.00 or less	male	3	7	1	7	7	6	7	7	2	6	6	7	2	7	1	7	4	7	7	7	7	7	7	6	7	2	6	2	
bachelor's degree master's degree	40 to 49 years old	30.00 or less	male	4	6	4	5	4	4	4	6	6	4	6	6	4	4	2	7	2	3	3	4	4	4	4	4	6	4	3	4	1
bachelor's degree	30 to 39 years old	30.00 or less	female	6	7	6	7	6	6	6	7	7	6	5	6	6	6	2	7	1	2	2	6	6	6	6	7	6	6	6	5	
bachelor's degree	20 to 29 years old	30.00 or less	male	6	7	6	7	6	6	6	7	7	6	6	6	6	6	2	2	1	2	2	6	6	6	6	7	6	6	6	4	
bachelor's degree high school degree	50 to 59 years old	30.00 or less	male	6	7	6	1	6	6	6	7	7	6	6	6	6	6	2	7	1	2	2	6	6	6	6	7	6	6	6	2	
bachelor's degree high school degree	30 to 39 years old	30.00 or less	male	6	7	6	7	6	6	6	7	7	6	6	6	6	3	2	7	1	2	2	6	6	6	3	7	6	6	6	6	
bachelor's degree	40 to 49 years old	90.001 to	male	6	7	6	1	6	6	6	7	7	6	1	6	6	3	2	7	1	2	2	6	6	6	6	7	6	3	6	1	







## APPENDIX B

### Interview with Rafael Rodriguez

May 2, 2021

Researcher: So, we're doing this interview for my PhD and I'm looking for experts in the field of wind energy to talk about some main topics that will be presented in my research, and they are: aesthetic impact of wind turbines, noise disturbance, societal acceptance, and wildlife problems, and of course, recycling of the blades - that is the main topic. Do you want to tell me about your function in the wind energy field?

Interviewee: Sure. So, I work as a tender manager for the balance of plant and basically what I do is that when we need to offer balance of plant for a wind farm, then I collect all the coordinates for the preparation of the preliminary designs, get offers from the sub-contractors and put together an offer towards the customer.

Researcher: Okay. And just a disclaimer that all the questions that I will be asking and all the conversation that we will be having it's your opinions and your ideas, and you don't represent officially the company, you are talking for yourself and as an expert in the field, because you have also a personal interest in this topic, and you're not representing the company. Okay?

Interviewee: Correct.

Researcher: It's a disclaimer for you. So, does the company you're working for have an agenda for end of life solutions that you know of? For example, is there discussing the idea of what the wind turbines will become after they are decommissioned?

Interviewee: To be honest, I don't know, because I'm kind of at the other end of the life cycle, I'm at the beginning of a project. I know that we have had in the past repowering projects where we take... we work on a wind farm that was existing and then put in newer models of turbines, but as far as if the company has a program per se I wouldn't know. I'm assuming yes, but it's not something that I had to work with until now.

Researcher: And for you personally, as an engineer, or as your function in the company - do you recognise the need of having a plan for the end of life?

Interviewee: Yes, I think it's an important part of the life cycle of the turbines, however I don't know how that works commercially towards the customer, because I know that for example when we sell turbines for a project, we offer the operation and maintenance, and this is an offer if the client wants it, to the end of the expected lifetime of a turbine, but then after that I I don't know if there is any further step from ourselves in terms of what happens to those turbines in that wind park. Also, because at the end of the day it's the customer who is the owner of the wind farm, and then I'm sure that if needed we can also provide the necessary support and works to decommission, and then take up, but yeah I'm not that sure how that works. For sure I think it's an important part of it.

Researcher: And about wildlife protection - do you know if the company has plans, or if you know if there is in the research and development part some plans or some projects on how to mitigate this risk?

Interviewee: So, from what I know and projects that I have worked on these concerns come from the customer, because at the end of the day it is the customer who needs to get all the permissions from the municipality or the local government to build a wind farm, and each country and each location have a set of requirements that need to be fulfilled. So, I know for example - these are on the construction of the wind farm per se, that when we give an offer sometimes the client gives us some requirements during the construction time, and some of them have to do with wildlife. So, if for example from July to September you cannot work on these and these and these areas, because there is the mating period for certain species. So, I know that doing the construction it may be that the customer comes to us with some requirements that they also get from the government. And for the turbines themselves I know that there are certain elements of them that are used to prevent damage to wildlife and birds and that, and I can't entirely speak what they are, but I know that some of them include lights, flashing lights and some other type of elements which mitigate damage to the local wildlife.

Researcher: And do you think both the end-of-life solutions and the wildlife aspect are the problem, let's say, of the customer? It's like it's them who have to do something to mitigate the problems, officially?

Interviewee: Yeah, because the thing is being that the customer is the owner of the wind farm, they are the ones who have the responsibility and also the ones who have the direct contact with the governments, and the ones who get all the requirements from the governments. They are also the ones who need to get all the environmental permissions, and with those permissions come all the restrictions from working on, so when the customer approaches us to give them an offer, they already come with all the requirements that we need to comply with, in terms of environmental concerns and any restriction in terms of areas we cannot affect or periods of time during the year that we cannot work on, because at the end of the day they are the ones who get the permissions from the municipalities, so at the end we comply with those requirements that are set forth by them.

Researcher: Oh, okay. And I have the same question about noise and aesthetic impact - if, in your knowledge, there are some projects about lowering the noise? And also make, let's say, wind turbines more aesthetically pleasing? I know that for example there are some companies that paint the bottom of the wind turbine green, when it is at a park... things like that? Do you know if there is something similar for your company?

Interviewee: For us, as far as I know, aesthetics is not something that... So, as far as I know it depends on which type of tower is going to be placed on the wind farm, because it can be either a steel tower or a concrete tower, if it's a concrete tower, it's just concrete, from what I know there is no painting on it, the steel tower is painted in a kind of off-white colour, that is kind of the standard. A good thing that if the client requests it, then it can be painted another colour, but from what I know it's not something that is done often, or it's not the main concern. And in terms of noise, that is one of the key points when a customer approaches us to give an offer for the wind farm, usually if the wind park is close to some populated areas, then the customer would tell us: OK, you need to keep the noise levels below this many decibels. And then although this is more done with our sales colleagues, that they say - OK, if we need to keep to this noise level and we need to keep this production, then they look at all the wind turbines we

have in our catalogue and say: OK, to reach this power output we can go with this turbine and this mode, because also all the turbines have different modes in a smaller or faster speed, so it also changes the production of the turbine, but it also changes the noise level. So, for example, in a recent project during the day there was a restriction on the noise level, so during the day it was a certain amount, let's say 100 decibels - I'm just giving a number.

Researcher: Yeah.

Interviewee: And then during the night it needed to be lower, to let's say 80. So, what's being offered is this turbine and then the turbines have different modes, so during the day the turbine is going to be running in this mode, and then it's going to be switched to this other mode during the night, so that the production is lower, but also the noise level is lower, so it complies with these requirements. So, noise is a key element of the turbine, and in, I would guess, every project, or at least the ones that are near populated areas, there is always a concern and that is also almost always a requirement that the customer gives to us.

Researcher: So actually, from the adverse impact that I have given you so far - end of life, noise, aesthetic impact and wildlife - the noise is the most known, let's say, in the company?

Interviewee: Yeah, from my experience, from projects that is one... it's kind of the element that is discussed in most of the projects, because it is something, I guess, very measurable, and then it's one of the key elements that the government asks you to comply with, so, I guess, in the sense of the wildlife the customer gets the requirements from the government in terms of they need to do this environmental impact assessment. And then in this document they will tell you - okay, you need to comply with this and this and this and that. On the turbine side I'm not so sure if there is anything that impacts the modes of the turbine when it's running. I know from experience, from the construction period we have gotten some restrictions, like I said, areas that we cannot affect, or times during which we cannot work, but that is during the construction period. During the lifetime of the turbine, probably, there is something, but I'm just not aware.

Researcher: Okay. And what about societal acceptance? Do you feel from your job that wind energy is something that the people want to have in their vicinity, like wind turbines?

Interviewee: From my experience, I think, in general they don't have an issue - of course, there's always people who don't like how they look, but in general I think there is not much of a pushback, but also whenever we get to offer a turbine for a project, the client has already done all this work of finding the place for the wind farm and work with the community, getting them to accept and securing the land. When we get into the project, all this work has already been done by the customer, because at the end of the day they are the ones who need to secure the land and need to have all these negotiations with the people in the areas and everything. So when they ask us to give an offer for a wind farm, it's because they already have everything in place for the wind farm to be built. So maybe that's also the reason I haven't experienced myself any kind of pushback from the communities, because, I guess, if there is any, then the customer's plan will be poorer with that specific project and then they just look for another location.

Researcher: Okay. Do you have something else to add in this conversation, or interview, if I can call it? I call it a semi-structured interview because I have prepared some questions but then I wanted to do more like a conversation or so? Do you have colleagues that work in issues like

that or are you more segregated in the functions in the company, so you don't really know what the others are doing?

Interviewee: Yeah, there is a bit, because the department that I work for is basically an extension to the sales department, and I get to deal with colleagues from sales, which inside the company are my clients, and then colleagues from the turbine side that are on the construction, because at the end of the day all the interfaces we have is doing the construction of the wind farm, and then once the wind farm is constructed we are not involved in it anymore, so it goes into service, and then the service colleagues are the ones who are going to the site every now and then to do the scheduled and unscheduled maintenance and making sure that everything is working properly but at that point we as balance of plant are not really related to the project anymore, we build the roads and paths and foundations, and then once everything is built, then we leave the site.

Researcher: Just a question about maintenance. Do you provide some support during the operation time? Like service, maintenance?

Interviewee: No, because everything is done with our service colleagues for the turbines, so they are the ones who go and then check on the maintenance of all the components, but that is specific to the turbine so there is a whole side of the company, maintenance and service, they are the ones who have the whole structure going to every wind farm and then do all the maintenance and in terms of the balance of plant because the lifetime of the wind farms can go from 20 years as a minimum up to 30 or 35 years, all the maintenance that is done on an electrical balance of plant we don't offer because it's complicated for us as a department to have a contractor that we can keep for such a long time, so it's always easier for the customer to have a local small contractor that is going to go and do all the maintenance on the balance of plant. So, for the foundation there is no maintenance, but the roads - they go and they do a bit of maintenance and that, they check on the substation and everything, but it's kept on the client's side because at the end they are the ones who have ownership of the wind farm, and then they can get a small contractor to do all this work. And for us we usually get bigger contractors who will build all this infrastructure, but they are not interested in having a contract for thirty years to go once a year and check, put a bit of gravel on the road and this, this should be kept on the client's side.

Researcher: Are there any other ideas you wanted to share?

Interviewee: No, I think. I mean, just to build up on what you were asking before: there are many other departments in the company, also for everything from procurement, we have all the different components of the wind farm, of the towers, of the blades, production, logistics, but, as I said, this is very much contained in different areas, so every now and then you get to work a bit with colleagues from other departments, but in my case most of my work and my contact is with the departments like sales and other departments that I work on, basically, on a daily basis. I think that.

Researcher: I would like to thank you very much for participating. I don't remember if we recorded in the beginning that you accepted to record, I am not sure, but just to be sure that I have your permission to record this conversation.

Interviewee: Yeah. You have.

Researcher: I will stop the recording now, thank you very much again.

## Interview with Jonas Pagh Jensen

May 16, 2022

Researcher: I have started recording.

Interviewee: That's fine.

Researcher: Okay. So I have... it will be more like a discussion, it's not really an interview. I just have some topics we can discuss.

Interviewee: Yes, yes.

Researcher: So, first of all I want to ask you about representation in GDPR issues, like how can I... I asked you already if we can record, you accepted, and then can I transcribe our conversation and put it in my appendix in the thesis?

Interviewee: Yes, yes.

Researcher: I will be writing in my thesis that I have these interviews with experts in the field of wind energy. I have 6 more people I will interview, and they're from different companies, like I have from Vestas, from Nordex, from General Electric. how do you want me to... I can tell you about the others - they want their opinions separate from the company, so I say - okay, they might work there, but what they represent is their opinion and not from the companies.

Interviewee: Is that limited to a specific geography, or...?

Researcher: No. The idea was to extrapolate the results to the general population, to do something like case studies.

Interviewee: Yes.

Researcher: And then in the measure of... to extrapolate the results, but then it's still a bit tricky how to do it, so I will present case study by case study.

Interviewee: Yes.

Researcher: And then I will suggest other researchers if they want for further research how they can extrapolate those results, because also each place, each location has its characteristics.

Interviewee: Yes.

Interviewee: Yeah, I think we should do the same here.

Researcher: Okay.

Interviewee: Just easier for permission, we would need to seek approvals for all quotes that you put in, so I would suggest the same.



Researcher: Okay, so I will just write your name in the acknowledgements, so thank you that you accepted that and I will write the company that the persons that I interviewed work for, but I will not link the names to the companies.

Interviewee: Fine, fine.

Researcher: Okay, so we can start with... I know you're only working with recycling, right? End-of-life solutions of the blades? Or do you want to tell me a bit what you are working on?

Interviewee: Yeah, so in principal I have two scopes in the company, right, so I'm priming our carbon neutral program to ensure that the way that we manufacture and source the wind turbines by 2040 will be aligned with net zero, so that is one part of what I do, and the other part is more related to circularity, so both ensuring that we have a recyclable blade going forward, and a recyclable turbine by 2040, but also working on existing blades and optimising the solutions available, so a big product scope, and also somehow in case of broader environmental topics, so, as we say, bird protection and so on.

Researcher: Um-hmm. When you were our supervisor in my Master's thesis, you were doing a PhD, right? In the same company that you are now?

Interviewee: Yes. So the company was Siemens back then, which then was merged with Gamesa from Spain and is now Siemens Gamesa. The PhD was on circularity and large circular assessment, and how it's more everything than I concluded in the PhD trying to see if that can work also in reality.

Researcher: Oh. We are writing a paper with a colleague about blades and circularity but I don't know how it's going and we have left it a bit. So how do you see the topic of wildlife conservation and wind turbines?

Interviewee: It's a relatively difficult question, because there's really no scale on how to measure what is good and what is bad, right, so it's a lot about feelings and emotions, but it's difficult to quantify what is good performance of a wind farm and what is bad performance. What we can see is that it's getting increasingly important in the field, both because we have more or less used the available spaces, so on show there will be even less lane to put up new turbines, so we need to consider the impact of these, and how we mitigate any impact to not only birdlife, but wildlife in general; and secondly, we now see off-shore wind expanding a lot, where you would have migration of birds and so on, so we also need to understand how we can minimise the impact both from the design perspective, but also from operation's perspective. So we also start to see advancements in technologies that you can put on the turbines, so put up a leader or scanner or something that can identify incoming birds, then they have a database now, so it's starting to get some artificial (? 06:16) in it, so it can see - okay, it's this bird, is it

a protected species, and is it heading towards the wind turbine? Then I might need to shut down the turbine. Is it not a protected species? Then it might be okay to continue operating. I still think that it's a lack of understanding of the impact, that's a lot of, let's call them myths, to this, so a turbine can do X,Y, Z... From the legislative point of view it's a difficult concern, because when do we accept it and when do we not accept it, that's not fully clear, so it's often an individual case, and seen from an OEN perspective, leading to long permitting processes, unclear rules and so on. So it's an interesting field.

Researcher: And are there regulations in Denmark, or...?

Interviewee: What you need to do is you need to make an environmental impact assessment for every project that you make, in which you quantify, you could say, the impact on environment, and part of that is also to identify if there are any protected species in the area, and that could also be birds, and if so, you would need to disclose it, and then you would either need to come up with mitigation measures or suggest alternative design set ups and so on. So it's not country-specific, it is part of the EU regulation, but it's up to the national law then to interpret it. So it's different still from country to country.

Researcher: And this the problem, let's say, of the developer, not really of the manufacturer of the wind turbines? It's the one who develops the farm, right?

Interviewee: Yes, so it's our customers, yes.

Researcher: And do you think that the companies, the manufacturers, are involved in doing something about this, like trying to find technologies themselves, as you described to me? Is it a hot topic?

Interviewee: It is a topic, and it's a topic that's been given resources, but it's not the core topic, I would say, it's often about and there are some companies specialised which you can integrate into what we call the skylark system, so, actually, a third party, a solution that you can mount on the turbines, exposed insulation, right, so that often what is being done, that you have some few specialised companies offering the solutions that can be put on the turbines, yeah. Because it is so project-specific, so it doesn't make sense to take it into the core design of the turbine.

Researcher: And what about noise pollution? Let's talk about noise pollution. Is noise pollution an important topic for you?

Interviewee: Yes, especially on show. There's an environmental regulation stating the maximum decibel that can be emitted from a turbine during operation, so all design parameters are optimised to ensure that you're not exceeding that threshold, basically.

Researcher: And what about aesthetic impact? Like, how it can spoil the landscape?

Interviewee: We are not pursuing any specific strategies, so you can say that it's often about size and colours, right, and size is relative to the output that you want, so that is a given somehow, and colours are standardised, so for colouring of the turbines that is given by the standard for wind turbines that you need to follow specific AEL codes for turbines, so we are not doing anything in particular on that part, no.

Researcher: And it's also quite subjective, like, noise - you can measure it, but you cannot really measure if it looks good or not.

Interviewee: Yeah. And that's why it has been standardised, so you don't have sixteen different colours, yeah.

Researcher: Okay. And what do you think is the main problem? Of what we discussed, what do you think is the main societal barrier? Do you think it's aesthetic impact, the noise or all of it?

Interviewee: I think it's a combination. You have the "not in my backyard" approach, but whether it's due to A, B or C, or I don't have any insights to that, it's a combination, I think. I think what is the main barrier is that, as you say, it's a bit subjective, right, so we do not have clear rules about what is okay, what is accepted and what is not accepted. And that makes it difficult from a developer's point of view to know if your project will be accepted or not. Of course noise, that you can control, but aesthetics and social opposition, and also impact on birds can really vary. So if you have one bird of a protected species in the area, that can sometimes be enough to close down a development project. Is that enough or not - that should have clear rules somehow, so you know what to expect as a developer, throwing millions into the development of a wind farm, yeah.

Researcher: Do you have examples in Denmark, something like when local people were actually were opposed to a project?

Interviewee: Yes. All the time, I would say. Especially on shore and near shore, off-shore not so much.

Researcher: My one survey is about off-shore, about people that go to the beach and their willingness to come back to this specific location because of the landscape, the seascape, that they see the wind turbines.

Interviewee: Yeah.

Researcher: But do you think that, okay, in Denmark it is difficult to estimate, but is it more of an opposition towards renewable energy in general, or is it this "not in my backyard" problem?

Interviewee: It is for sure. I think there was a recent survey showing that 70% is pro-renewables, so all the offices... And off there's a few strong voices right, that they can drive maybe a community engagement against a certain project, yeah.

Researcher: Yes, sometimes I'm really wondering if they would prefer a power plant in their.... How that is better, I don't know.

Interviewee: There's no doubt that wind, of course, takes up more space than power plants, because you have it more widespread and you don't have the same megawatts, but on the other hand, you have multiple other benefits, yeah. As a pro-renewables it's difficult to understand, but it's a thing.

Researcher: And I'm really trying not to be bias, because sometimes when I see the results, I'm like "But why, why?", but yeah, trying to understand.

Interviewee: Yeah.

Researcher: Okay, and the last thing I wanted to discuss was a bit about the recycling. Since I got my Master's thesis, where you were our supervisor, I see a lot of development in the field, but still I see that even though there are a lot of solutions that are technologically feasible, there is no large scale solution. I saw this co-processing, that they use with cement, that was not you, was it?

Interviewee: Yes, yes, we're also using it, at least, yeah.

Researcher: Do you want to tell me what you think are the main solutions, in your opinion, from what we have technologically, what do you think is good?

Interviewee: In the short term there is no doubt that co-processing is part of the solution. Let's disregard landfill as an option, right, then cement co-processing is where there is volume to recycle or at least energy to recover the materials, that's for sure. The one plant in Germany can take most of the European compost waste, and can also be expanded if needed. Then you have some upcoming technologies, either mechanical treatment, or pyrolysis mainly and then a bit later, some chemical recycling. The challenge is as you say right now is the cost, so the technology is there, but how to scale it up? The second challenge is the volume that you can get, because even in Denmark, which is one of the first countries to have winds, I think we had 26 turbines taken down last year. If you have to run a recycling business on that, you basically have work for two weeks, maybe. So it's nothing. It looks big when you see it on the front of a newsletter, but the volume is basically missing to drive an efficient recycling process, that is part of the explanation. So I'm sure that will come, challenge our technologies to co-processing, but what makes co-processing interesting right now is that you can mix, you can say, blades into the existing process, so it's not dependent only on wind turbines to be taken down. Then we need to optimise and mature technologies for sure, but it's very much about the market right now, so there are still cheap solutions like landfill available, so people can choose that if they want, and the second part is, there is no volume to drive an efficient business, so I think, for the existing blades out there, that is part of the key challenge, for sure. For US we have 70 cement kilns right now within use, so that's more or less covered, for Europe, we have one, so we probably need one or two places more to really be efficient and not transporting blades from South or North Europe, or North Europe to this place, but overall I think that is a good solution, and then there will come, you can say, niche solutions, regionally or country wise, that will take parts of them, no doubt about that, yeah.

Researcher: Is this a part of what you are doing or not? Are you working a bit with co-processing?

Interviewee: Yes, yes. So when we have blades and it starts often that we have it in our scope, because we sell a product that has blades on it, and then the owner of that turbine owns the blade and the product, but if we have, let's say, a warranty case, or we have maybe a prototype that we need to scrap, then we use the co-processing, that is our standard solution in Europe.

Researcher: You're working also to minimise, mitigate the negative effects on the environment?

Interviewee: Yes.

Researcher: But since it's not really your problem, let's say, since it's the developers' problem, is it just for social responsibility issues?

Interviewee: It's because everything that is industry's problem is also our problem. We don't want wind to be associated with a waste problem. That also hinders uptake and build-out. So it's mainly to make winds continue to be part of the solution. So I often refer to the case of when you switched horses out with internal combustion engines, that was seen as a good thing, wind is also seen as a clean thing, but at some point in time you could end up being part of the challenge, and we don't want to be that, so we're trying to tackle these, let's say, waste and decarbonisation issues earlier than the combustion engine managed to do.

Researcher: It was a very nice comment. You don't want to create a problem now, creating a solution that future scientists will try to solve.

Interviewee: Exactly, yeah.

Researcher: Okay. Thank you so much, I think, that's all from me, I don't know if you want to add something?

Interviewee: No, I mean... Whenever you have something, please send it, it will be interesting to read what you are concluding, so that will be nice, and good luck on the final parts, I know how it is to go through a PhD, so I'm really crossing my fingers and know how relieving it will be to defend it fully.

Researcher: Yes, I'm looking forward. It will be hopefully in October. Thank you very much again.

Interviewee: You're welcome. Good luck, bye-bye.

## Interview with Alexandros Koutentakis

-Do you see the composite waste from wind turbines as an environmental threat?

Yes, I do see the composite waste as an environmental threat. Large amounts of composite waste are generated by the wind turbine industry every year and sent to landfills. However, the problem is general for all engineering industries for instance, automotive, aviation and construction sectors

-Do you know of any projects put in place to tackle the problem of blades' disposal?

Yes, there are projects to develop fully recyclable blades and shift from a linear to a circular model. See below:

ZEBRA project launched to develop first 100% recyclable wind turbine blades | LM Wind Power, Siemens Gamesa pioneers wind circularity: launch of world's first recyclable wind turbine blade for commercial use offshore, Zero-Waste from Vestas, and Sustainability Strategy also from Vestas.

-Do you think that the noise disturbance from wind turbines is a reason for not accepting wind farms in your vicinity?

No, the sound pressure levels for modern wind turbines at distances greater than 400 meters are typically less than 40 decibels (dBA), which is comparable to the lowest limit of urban ambient sound. The noise produced in cities from other sources such as cars, nightlife etc. is higher and in combination with the benefits of wind energy compared to fossil fuels consumption wouldn't lead me to not accept wind farms in my vicinity.

-Is it currently a priority to reduce noise from WT?

Highest priority is a zero-waste roadmap. Noise was always a priority since it's one of the customer requirements, especially when public sector purchases wind turbines. Noise specifications have always been defined in the product specifications.

-In what extent do you think that the wind farms have an aesthetic impact on the landscape, whether it be negative or positive?

I believe aesthetics is a subjective topic, and it also depends on the environment and timing we grow. It also changes throughout the time. Personally, I don't think there is any positive or negative impact.

-According to you, does in certain cases the lack of societal acceptance impede the development of wind energy?

Yes, it does, see for example Germany delays on building the infrastructure to transfer wind energy from north to south which resulted to a bigger dependency with Russian gas.

-Do you think that the shadow flicker from wind turbines is a valid reason for not accepting wind farms in your vicinity?

No, I do not.

-Is wildlife protection in wind farms a concern for you?

All wind parks shall take measures to protect their landscapes from wind turbine fire accidents and avoid wildfire spreads. However, it is not a big concern of mine.

-Do you think that wind farms pose a threat to wildlife?

No, I do not. I believe a threat to wildfire derives mainly from global warming which is also a threat for the biodiversity.

-Do you think that it should be a priority to have in place plans and projects regarding the protection of wildlife within wind farm installations?

I believe that there shall be plans and projects regarding the protection of wildlife within wind farm installations but not with a highest priority. Highest priority shall be given to have plans against the most common causes of wildfires.

## APPENDIX C

### R Scripts

```
library(readxl)
library(tidyverse)
library(ltm)
library(lavaan)
library(lavaanPlot)
```

```
dataset<-read_excel("Dataset & Results..xlsx",3)
dataset<-as.data.frame(dataset) %>%
  na.omit()
```

```
# Converting all variables to factor variables
```

```
data.factor<-dataset
data.factor[sapply(data.factor, is.numeric)]<-lapply(data.factor[sapply(data.factor,
is.numeric)], as.factor)
```

```
summary(data.factor)
```

```
# Mean and SD for each variable.
```

```
data_long=gather(dataset, factor_key = TRUE)
output=data_long%>%
  group_by(key)%>%
  summarise(Mean=mean(value),SD=sd(value))
```

```
output=as.data.frame(output)
colnames(output)=c("Variable","Mean","SD")
output=output%>%
  mutate(Mean=round(Mean,4), SD=round(SD,4))
write.csv(output,"Mean & SD.csv")
```

```
# Graphical representation of the number of respondents to each question
```

```
dataset %>%
  pivot_longer(A1:A3, names_to = "question", values_to = "response") %>%
  ggplot(aes(x=response))+
  geom_bar(fill="darkblue")+
  facet_wrap(vars(question), ncol = 3)+
  geom_text(stat = "count", aes(label=..count..), vjust=-1)+
```



```

labs(x="Response (on a 1 to 7 scale)", y=" Number of respondents", title =
"Awareness/Knowledge Level")+
theme_bw()+
theme(plot.title = element_text(hjust = 0.5))

```

```

dataset %>%
  pivot_longer(A4:A7, names_to = "question", values_to = "response") %>%
  ggplot(aes(x=response))+
  geom_bar(fill="darkblue")+
  facet_wrap(vars(question), ncol = 2)+
  geom_text(stat = "count", aes(label=..count..), vjust=-1)+
  labs(x="Response (on a 1 to 7 scale)", y=" Number of respondents", title =
"Awareness/Knowledge Level")+
  theme_bw()+
  theme(plot.title = element_text(hjust = 0.5))

```

```

dataset %>%
  pivot_longer(P1:P6, names_to = "question", values_to = "response") %>%
  ggplot(aes(x=response))+
  geom_bar(fill="darkblue")+
  facet_wrap(vars(question), ncol = 3)+
  geom_text(stat = "count", aes(label=..count..), vjust=-1)+
  labs(x="Response (on a 1 to 7 scale)", y=" Number of respondents",title = "Perceptions")+
  theme_bw()+
  theme(plot.title = element_text(hjust = 0.5))

```

```

dataset %>%
  pivot_longer(P7:P9, names_to = "question", values_to = "response") %>%
  ggplot(aes(x=response))+
  geom_bar(fill="darkblue")+
  facet_wrap(vars(question), ncol = 3)+
  geom_text(stat = "count", aes(label=..count..), vjust=-1)+
  labs(x="Response (on a 1 to 7 scale)", y=" Number of respondents",title = "Perceptions")+
  theme_bw()+
  theme(plot.title = element_text(hjust = 0.5))

```

```

dataset %>%
  pivot_longer(S1:S3, names_to = "question", values_to = "response") %>%
  ggplot(aes(x=response))+
  geom_bar(fill="darkblue")+
  facet_wrap(vars(question), ncol = 3)+
  geom_text(stat = "count", aes(label=..count..), vjust=-1)+
  labs(x="Response (on a 1 to 5 scale)", y=" Number of respondents",title = "Subjective
Norms")+

```

```
theme_bw()+  
theme(plot.title = element_text(hjust = 0.5))
```

```
dataset %>%  
  pivot_longer(PB1:PB2, names_to = "question", values_to = "response") %>%  
  ggplot(aes(x=response))+  
  geom_bar(fill="darkblue")+  
  facet_wrap(vars(question), ncol = 2)+  
  geom_text(stat = "count", aes(label=..count..), vjust=-1)+  
  labs(x="Response (on a 1 to 7 scale)", y=" Number of respondents",title = "Perceived  
Behavioral Control")+  
  theme_bw()+  
  theme(plot.title = element_text(hjust = 0.5))
```

```
dataset %>%  
  pivot_longer(B1:B4, names_to = "question", values_to = "response") %>%  
  ggplot(aes(x=response))+  
  geom_bar(fill="darkblue")+  
  facet_wrap(vars(question), ncol = 2)+  
  geom_text(stat = "count", aes(label=..count..), vjust=-1)+  
  labs(x="Response (on a 1 to 7 scale)", y=" Number of respondents",title = "Behaviour")+  
  theme_bw()+  
  theme(plot.title = element_text(hjust = 0.5))
```

```
dataset %>%  
  pivot_longer(B5:B7, names_to = "question", values_to = "response") %>%  
  ggplot(aes(x=response))+  
  geom_bar(fill="darkblue")+  
  facet_wrap(vars(question), ncol = 3)+  
  geom_text(stat = "count", aes(label=..count..), vjust=-1)+  
  labs(x="Response (on a 1 to 7 scale)", y=" Number of respondents",title = "Behaviour")+  
  theme_bw()+  
  theme(plot.title = element_text(hjust = 0.5))
```

# Finding Cronbach Alpha for the following groups of variables.

```
awareness_level<-cronbach.alpha(dataset[,c(1:7)])  
awareness_level<-round(awareness_level$alpha,5)
```

```
perceptions<-cronbach.alpha(dataset[,c(8:16)])  
perceptions<-round(perceptions$alpha,5)
```

```
subjective_norms<-cronbach.alpha(dataset[,c(17:19)])  
subjective_norms<-round(subjective_norms$alpha,5)
```

```

PBC<-cronbach.alpha(dataset[,c(20:21)])
PBC<-round(PBC$alpha,5)

behavior<-cronbach.alpha(dataset[,c(22:28)])
behavior<-round(behavior$alpha,5)

# Creating a summary table of the results of Cronbach alpha values

grps<-c("Awareness Level","Perceptions","Subjective Norms","Perceived Behavioral
control","Behaviour")
cronbach_alpha<-c(awareness_level,perceptions,subjective_norms,PBC,behavior)
comment<-c("Excellent","Good","Good","Good","Good")

Table<-cbind(grps,cronbach_alpha,comment)
colnames(Table)<-c("Group","Cronbach Alpha","Internal consistency")

#Saving the table.

#write.csv(dataset,"DATA.csv")

# 2. Structural Equation Model (SEM).

# sTEP 1 : Specification of path Model

model<-'
# Measurement model

Awareness=~A1+A2+A3+A4+A5+A6+A7
Perception=~P1+P2+P3+P4+P5+P6+P7+P8+P9
Subjective_Norms=~S1 + S2+ S3
Perceived_Behaviour_Control=~PB1+PB2
Behaviour=~B1+B2+B3+B4+B5+B6+B7

# Regressions

Perception~Awareness
Behaviour~ Perception +Awareness +Perceived_Behaviour_Control+Subjective_Norms

#estimating the variance of exogeneous variables (Awareness,Perception)
Awareness~~Awareness
Perception~~Perception
Perceived_Behaviour_Control~~Perceived_Behaviour_Control
Subjective_Norms~~Subjective_Norms

```

```

#estimating the residual variance of endogeneous variable (Behaviour)
Behaviour~~Behaviour
,

# STEP 2. Analysis

fit<-sem(model, data = dataset, auto.var=T)
fit
summary(fit,fit.measures=TRUE,standardized=TRUE,rsquare=TRUE, ci=F)

# STEP 3: Path diagrams
lavaanPlot(model = fit, node_options=list(shape="box", fontname="Helvetica"),
edge_options=list(color="grey"),
coefs=TRUE, covs=TRUE, stars=c("regress"))

#semPaths(fit, "std")

```