



WP 6 Climate Action: Making data widely available

Carl Sundström
AFRY



- Who we are?
- Progress
- Ways forward
- Quiz
- Live demonstration





Who are we?

- Carl Sundström @AFRY (carl.sundstrom@afry.com)
 - Areas of expertise: Engineering, scientific computing, numerical models, physics, and AI.

Imponerande resultat av svampvecka





Who are we?

- Tomas Gustafsson @AFRY (tomas.c.gustafsson@afry.com)
 - Areas of expertise: New innovation, Radio communication, UAV, Defence and security.





Aim of WP6

- Increase awareness of machine learning (ML) and artificial intelligence (AI) and how to use the technology
- Pre-study on inquiries and needs from research stations, to identify datasets and questions to be answered
- Exploring applications of machine learning, using researchers' and station data, making algorithms and methods available and demonstrate the outcome
- Future strategies for AI and ML, and ensuring access to relevant data.



Progress made

- D6.1
 - Prestudy on inquiries and needs from identified station managers and researchers to identify possible datasets and types of questions to be answered
- D6.2
 - Workshop with demonstration on technology available today and expected in the future in the area of AI and ML
- D6.3
 - Use machine learning on some example data to make specific algorithms and methods available to demonstrate the outcome
- D6.4
 - Report on future strategy and planning for the area of AI and ml to be applied in arctic research



Ways forward

- Potential talk at the Arctic Frontiers conference, where we talk about our AI work



Quiz



AI or not?



AI or not?



AI or not?



AI or not?



AI or not?



Arts

Artist rejects photo prize after AI-generated image wins award

Updated 18th April 2023





Requirements from others

- Be yourself.
- Aid me in this live demonstration



INNOVATIONS

They fell in love with AI bots. A software update broke their hearts.

Loneliness is widespread. Artificial intelligence is making virtual relationships feel real, but it comes with risks.

