European Site Selection

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GRUAN, Lindenber, February
Site Selection

- Opportunistic: The GRUAN logo: Start small, but start,

- or it’s already there...

- Strategic: consider climatic / geographic regimes
Possible sites based on climatic considerations

- Mace Head: Pristine maritime
- Cabauw: Mid-latitude varied
- Lindenberg: Rural continental
- Payerne: Near Mountainous
- Potenza: Mediterranean
- Valladolid: Dry Mediterranean
- Warsaw: Continental
- Sodankyla: Arctic
- Hyytiala (?): Sub-Arctic
- Palaiseau (?): Metropolitan
- Payerne: Near Mountainous
- Potenza: Mediterranean
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A little commercial for Cabauw:

- Within the heart of Northwestern Europe
- Exposed to a great variety of air masses
- No orography to confuse you
- Comprehensive set of instruments

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Motivation

- The need for meaningful data to
  a) address issues of climate change
  b) validate remote sensing data
  c) understand atmospheric processes

  given the

  - **notion** that this can only be achieved through synergy of instruments

  - **conviction** that joining forces with participating Dutch institutions will add significant value to Dutch science
The Cabauw Experimental Site for Atmospheric Research (CESAR)

- Advanced remote sensing
- BSRN
- Tower: flux profiling
- Aerosol intake at 60 m
- Scanning drizzle radar on top of mast
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Omission (?)

-Cape Grim Air Pollution Baseline Station

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