

European Site Selection

Dr. R. Boers
KNMI
Netherlands

GRUAN, Lindenberg, 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



.... 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

....

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**



- **Aerosol intake at 60 m**



- **Tower: flux profiling**



- **Scanning drizzle radar on top of mast**

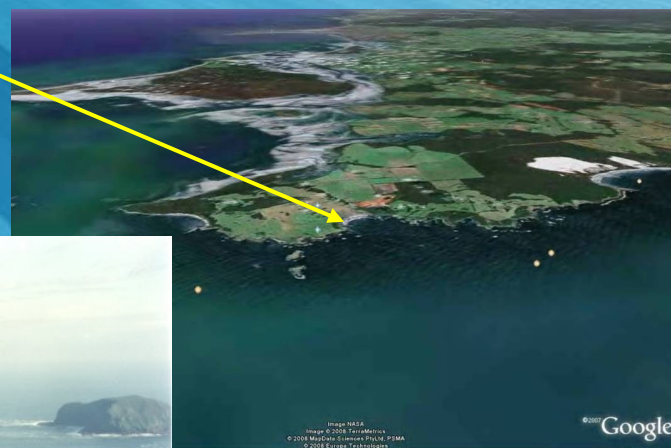
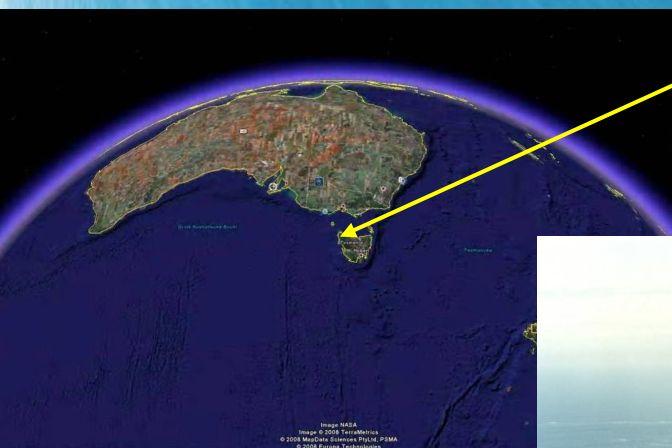


Possible sites based on climatic considerations



Omission (?)

-Cape Grim Air Pollution Baseline Station



GRUAN, Lindenberg, February