



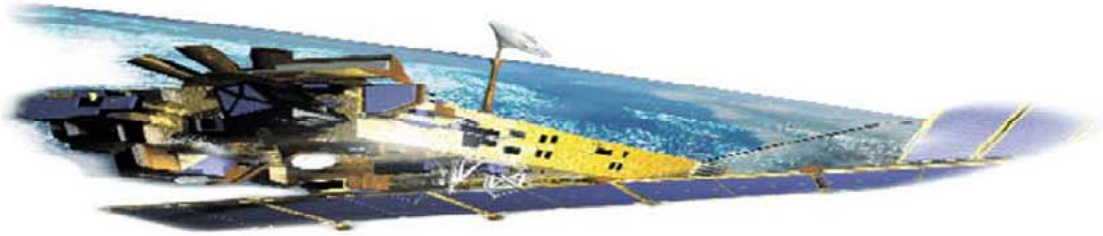


# ENVISAT Validation

A. Friker, DLR

-  Motivation *Why and how to support validation?*
-  Financial Support *How much money?*
-  Outlook *What fills the next years?*
-  Conclusion



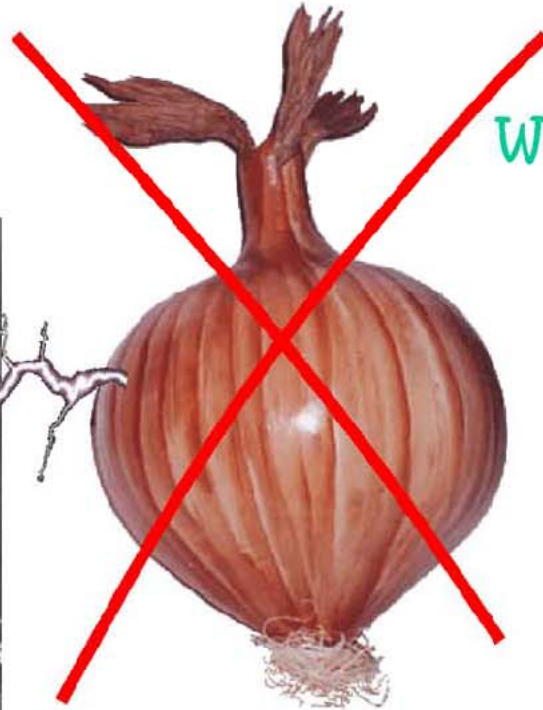


## Motivation

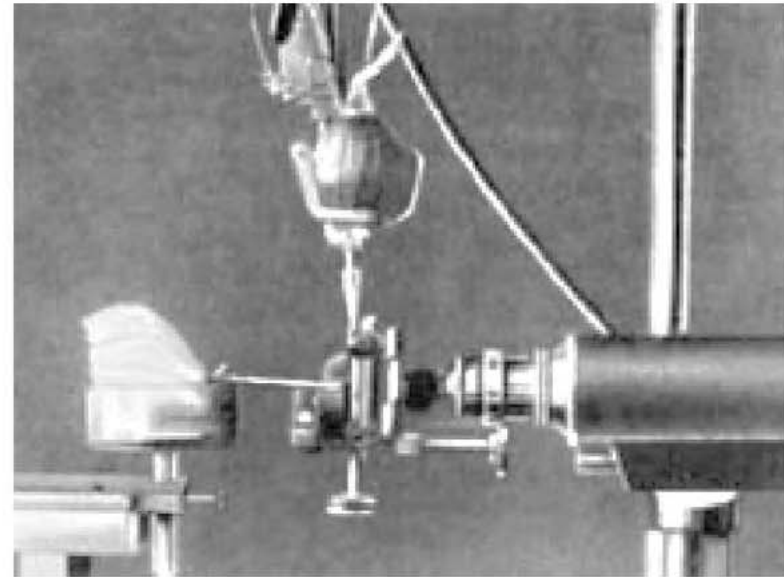
Why and how to support Validation?



Alexander Gurwitsch  
(1874–1954)



Should onions be  
banned  
because of  
Electro Smog?



Electromagnetic Onion Radiation  
Experiment (1922)

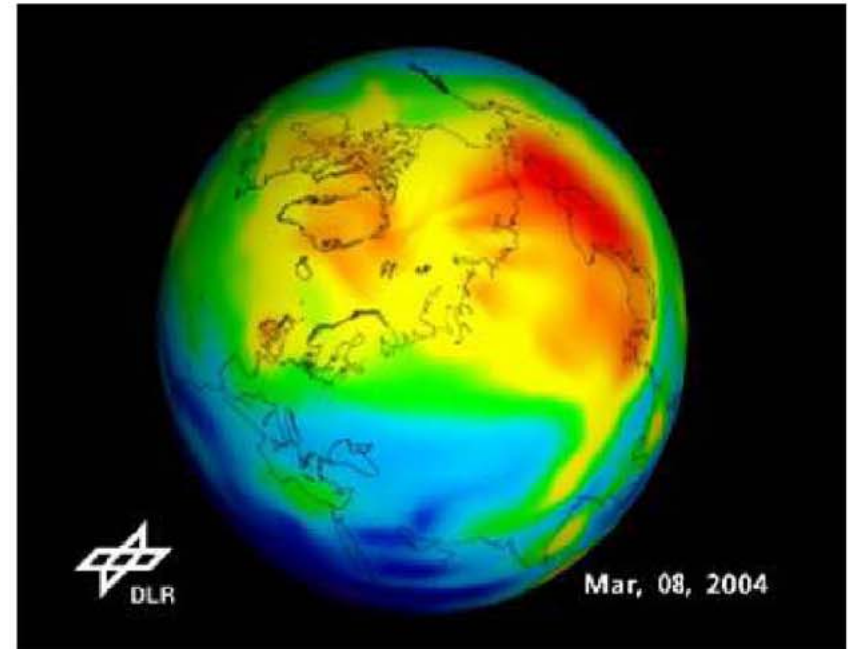


## Motivation



~~Alexander Gurwitsch  
(1874–1954)~~

**Atmospheric Science Team**

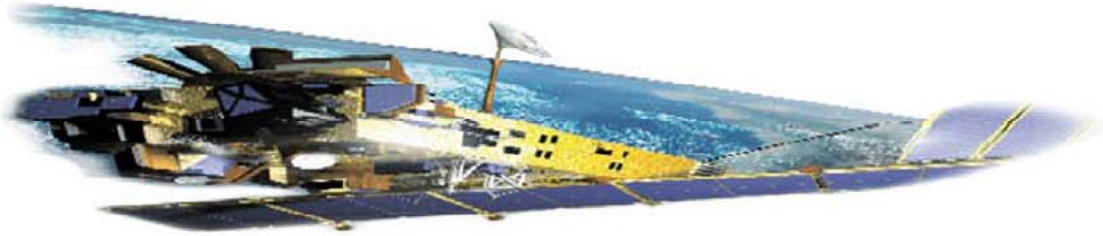


~~Electromagnetic Orion Radiation  
Experiment (1922)~~

**Satellite Measurements**

Political consequences (ban on CFCs, Kyoto, ...) — *Why don't we ban onions?*

► **Credibility of scientific measurements**



## Motivation

## Why and how to support Validation?

### Credibility of scientific measurements

#### ➔ Validation

-  Coverage of satellite-measured parameters
-  Coverage of seasons
-  Coverage of latitudes



### Credibility of validation

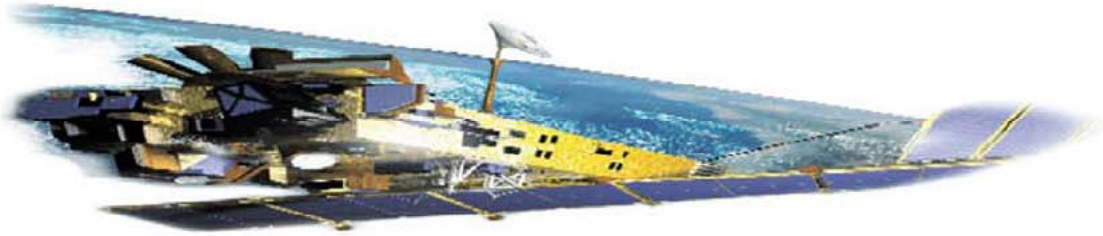
- ➔ Independent evaluation of proposals
- ➔ Independent evaluation of results



### Long-term validation

- ➔ see "Financial Support" and "Outlook"

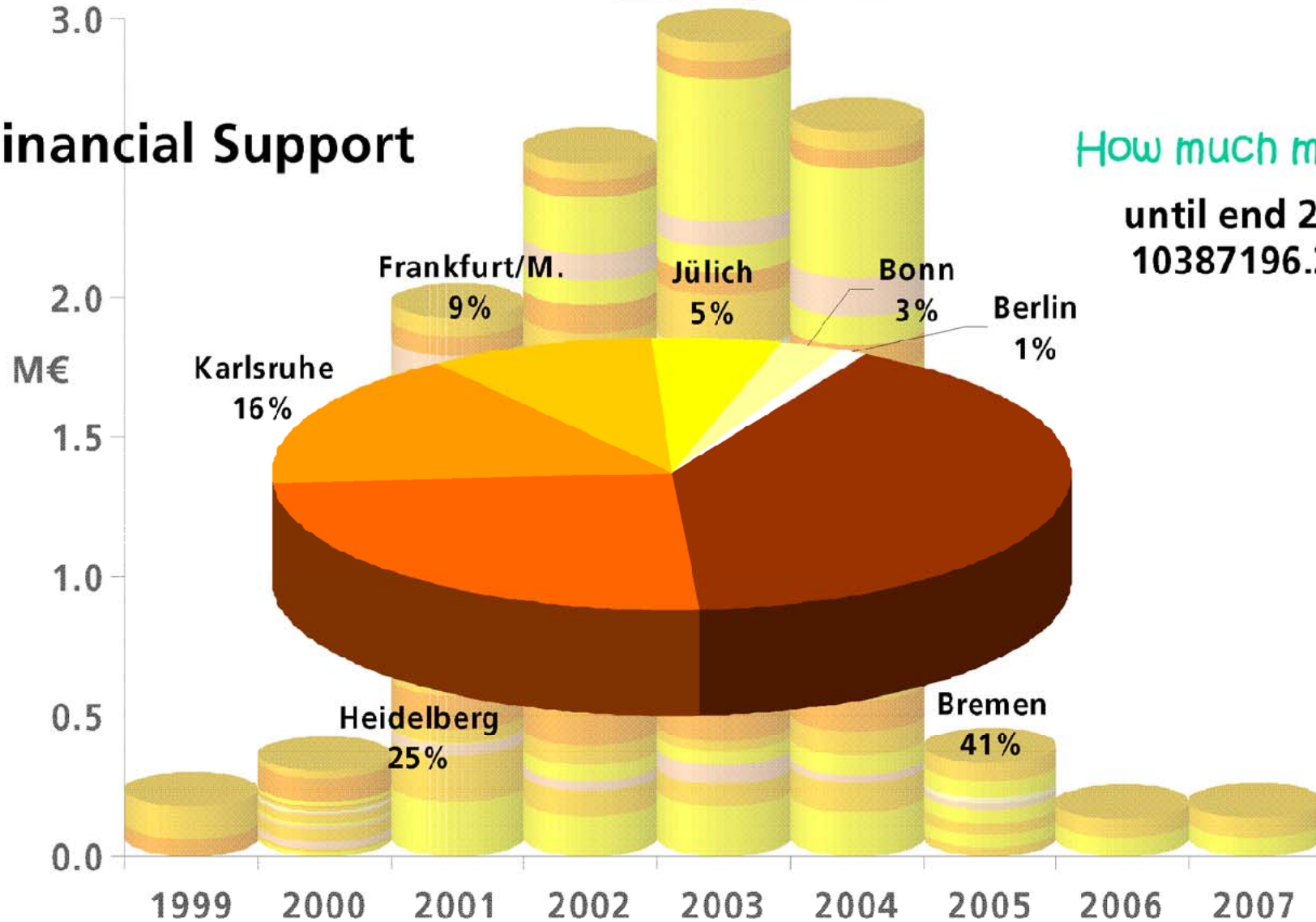




# Financial Support

How much money?

until end 2004:  
10387196.20 €





## Outlook



What fills the next years?

### Processors

-  Corrections/improvements
-  Completion of product list



### Validation

-  Completion of product validation
  - ➔ Provision of support to original validation teams
  - ➔ Need of support by original validation teams
-  Long-term validation
  - ➔ Comparison with existing data sources



„Verwertungspflicht“





## Conclusion

SCIAMACHY has reached an outstanding reputation ...

- ... thanks to a good validation
- ... thanks to scientists doing their utmost to get ultimate satellite data

