

# **The Regulatory System in Germany**

**Safety Aspects of HTR-technology**

**NRC visit in Germany**

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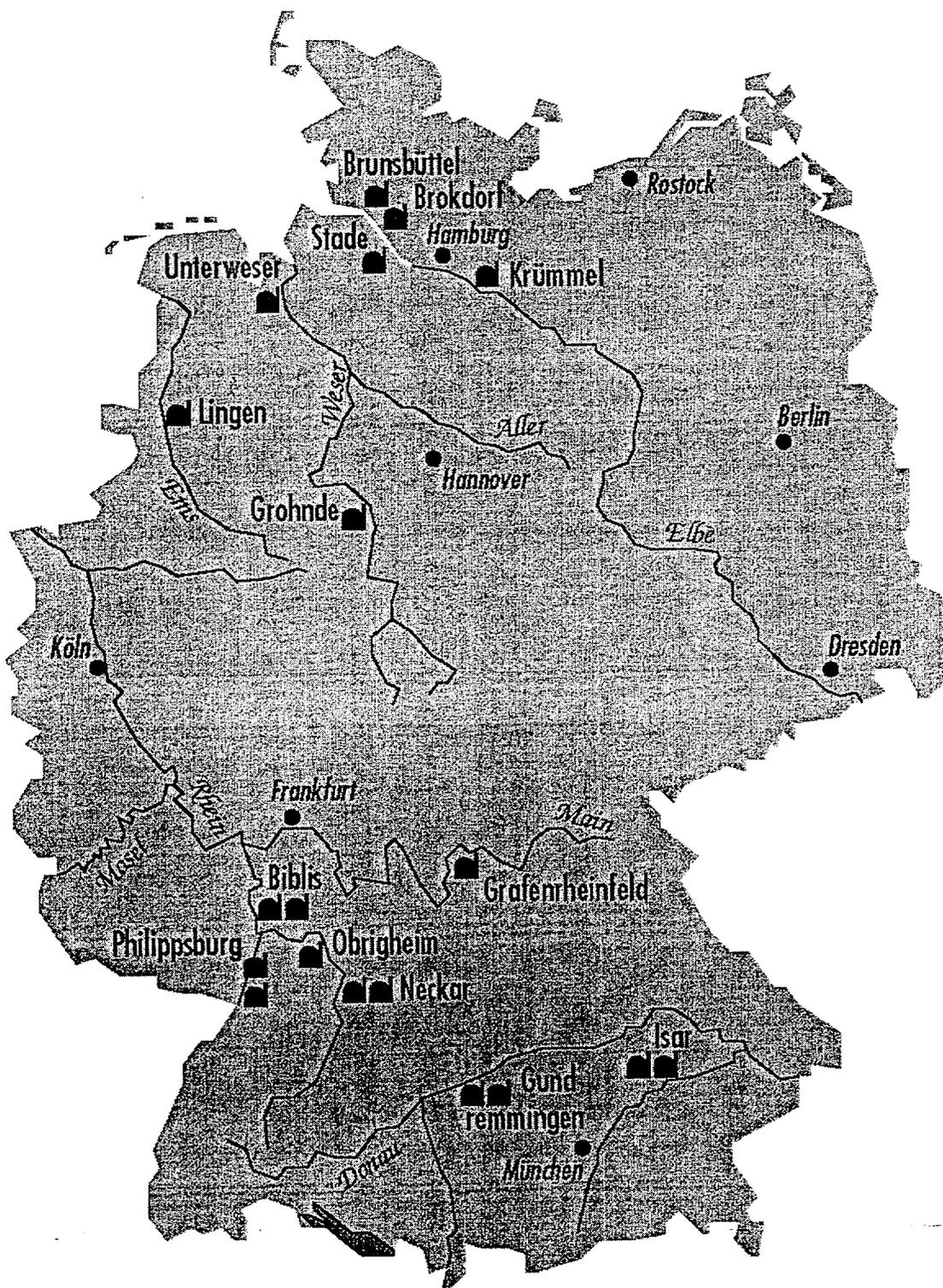
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# Federal Republic of Germany



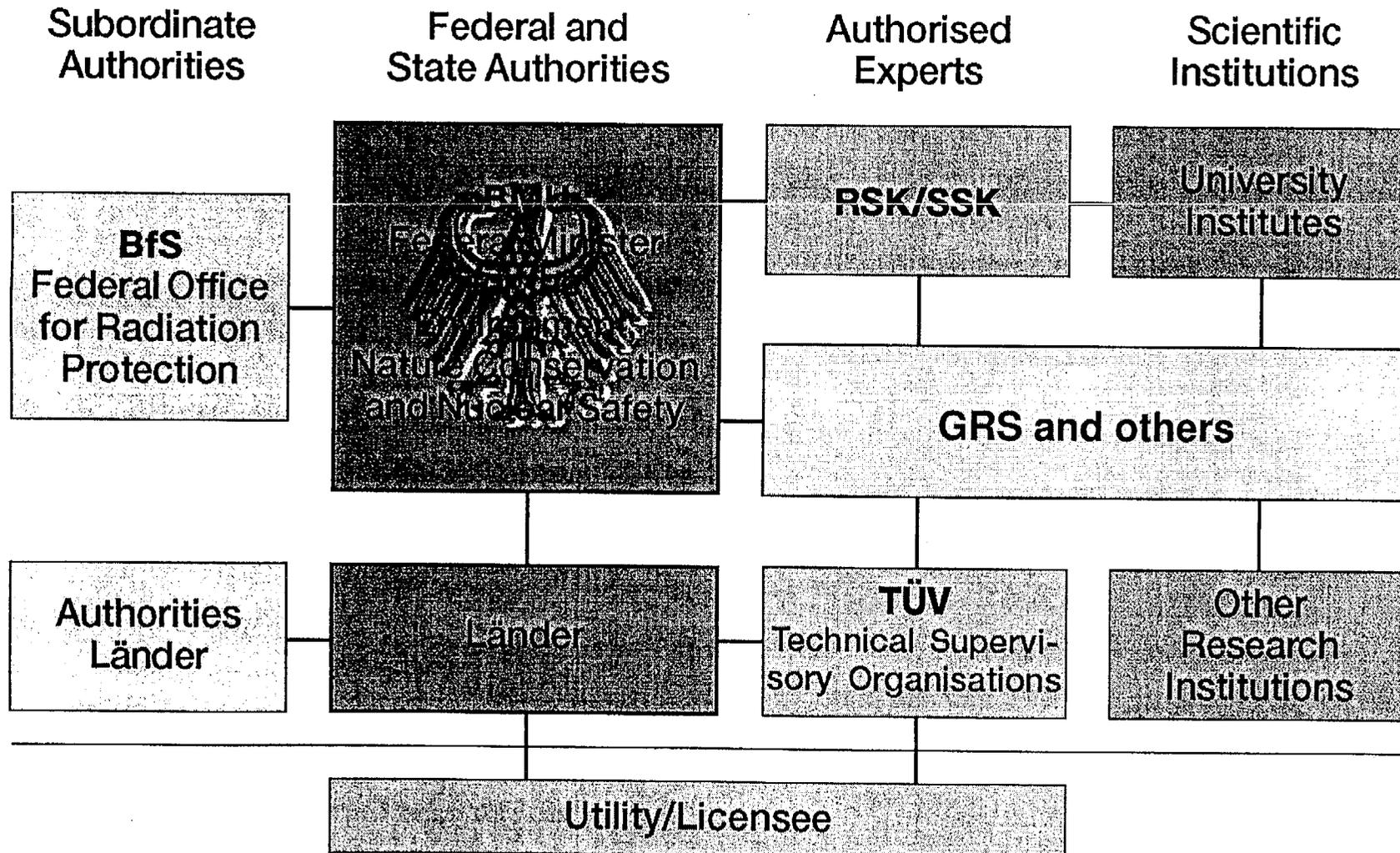
## Legal basis for *Länder* responsibility

- There is no central nuclear licensing and supervisory authority in the Federal Republic of Germany.
- Pursuant to Section 24 AtG, the Atomic Energy Act is implemented by the *Länder* on behalf of the Federal Government.
- the *Länder* authorities are subject to federal supervision by the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU).



**Nuclear Power Plants in Operation**

## Institutions Responsible for Nuclear Safety



## Licensing Prerequisites for Nuclear Power Plants

- Amendment to the act (April 1994)
  - Additional provision against risks for the general public to limit consequences of severe accidents to the site - no need for major offsite emergency measures (Sec. 7, para. 2, No. 2a AtG)
  
- A Plant may only be licensed, if the following requirements are fulfilled
  - Reliability and qualifications of the applicant (Sec. 7, para. 2, No. 1 AtG)
  - Necessary knowledge of the operating personnel with respect to safe operation, possible hazards and protective actions (Sec. 7, para. 2, No. 2 AtG)
  - Necessary provisions against damage taken by design and operation according to the state of science and technology (Sec. 7, para. 2, No. 3 AtG)
  - Necessary financial provisions to cover all legal obligations for the compensation of damage (Sec. 7, para. 2, No. 4 AtG)
  - Necessary protection against disturbances or other 3rd party acts (Sec. 7, para. 2, No. 5 AtG)
  - Compatibility with overriding public interests, in particular to protect water, air and soil (Sec. 7, para. 2, No. 6 AtG)

## **Main items of planned AtG modification**

- to end nuclear energy
- no more construction or operating licenses
- ultimate lifetime: 32 years
- legal obligation for periodic safety reviews
- end of reprocessing in year 2005
- interim storage on site
- ten-fold increase of financial security (up to 2.5 billion €)