

## METROLOGY INFRASTRUCTURE IN SWEDEN

Jan Johansson

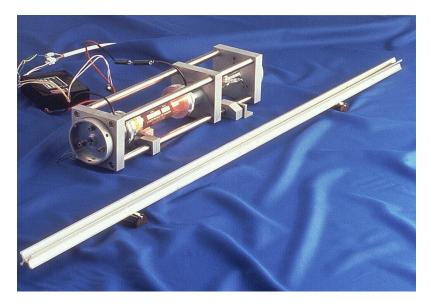
**Research Institutes of Sweden** 

Safety & Transport Measurement Science & Technology









## Metrology infrastructure in Sweden



Government Offices of Sweden

Ministry of Enterprise and Innovation

# SWEDAC

Styrelsen för ackreditering och teknisk kontroll Swedish Board for Accreditation and Conformity Assessment

Government Offices of Sweden

Ministry of the Environment and Energy

Swedish Radiation Safety Authority (SSM)

Designated Institute responsible for ionizing radiation

# VINNOVA

Sveriges innovationsmyndighet

Sweden's Innovation Agency



Research Institutes of Sweden

RI. SE

National Metrology Institute



## **RISE - History in short**

- 1665 Weights & measures ordinance
- 1831 Swedish royal control and testing
- 1875 Jernkontoret testing institute
- 1920 Statens Provningsanstalt (SP) was founded in Stockholm
- 1993 SP Swedish National Testing and Research Institute
  - SP is converted from authority to company owned by the Ministry of Enterprise.
- 2007 SP Technical Research Institute of Sweden
  - A holding company called RISE is formed, owning SP and other technical institutes
- **2017 RISE Research Institutes of Sweden**







## **RISE - History in short**

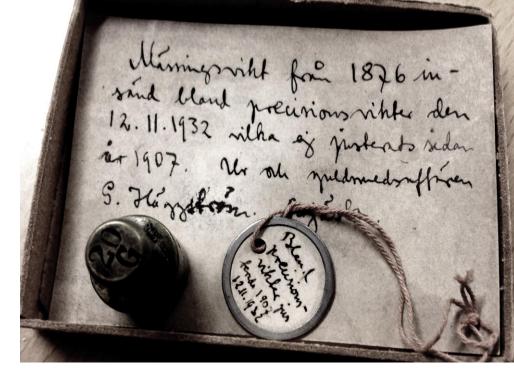
- 1665 Weights & measures ordinance
- 1831 Swedish royal control and testing
- 1875 Jernkontoret testing institute
- 1920 Statens Provningsanstalt (SP) was founded in Stockholm
- 1993 SP Swedish National Testing and Research Institute
  SP staff: 300
  - SP is converted from authority to compa Ministry of Enterprise.
    SP stan. 300 NMI staff: 80

### 2007 SP Technical Research Institute of Sweden

A holding company called RISE is formed SP staff: 1600 other technical institutes
MMI staff: 100

### 2017 RISE Research Institutes of Sweden

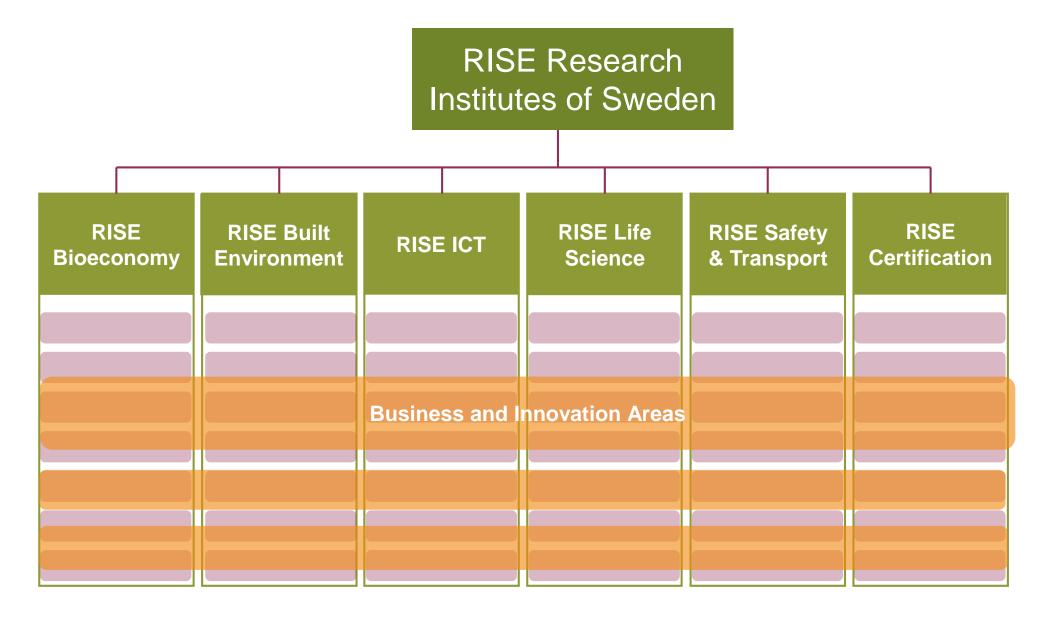
EURAMET General Assembly 2019





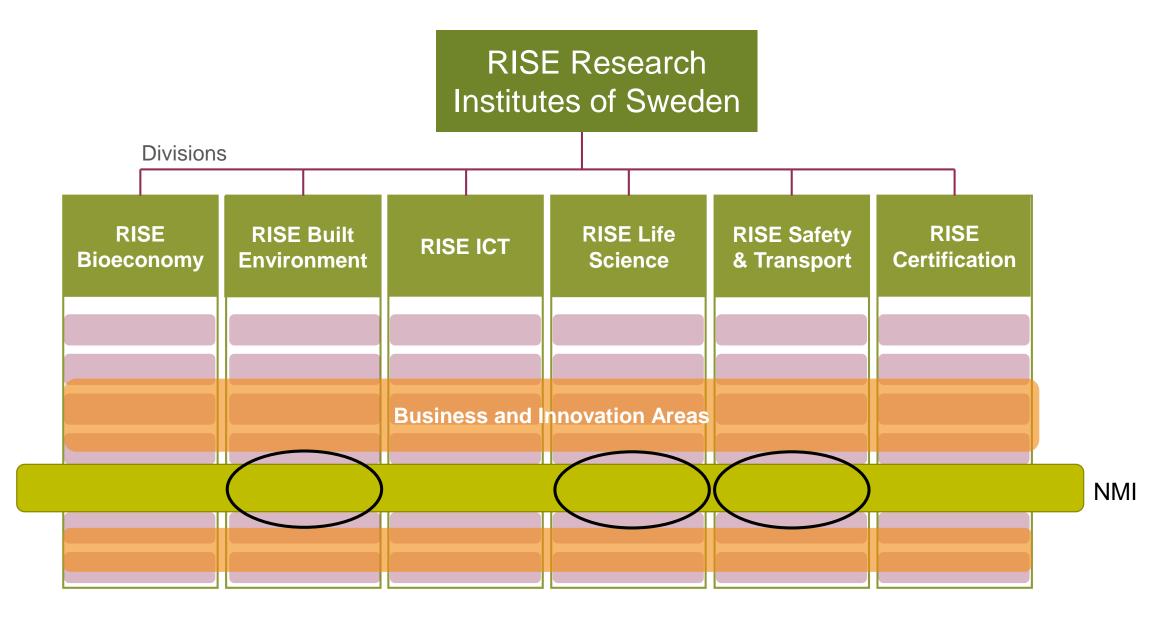
NMI staff: 130 4

RISE staff: 2800









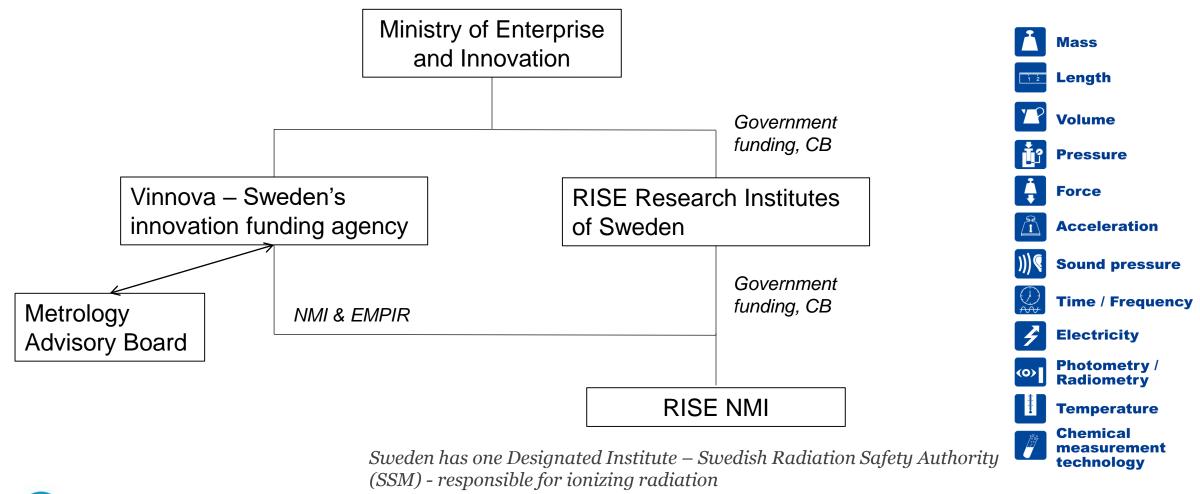




## **RISE as Swedish National Metrology Institute**

General Assembly 2019

EURAMET



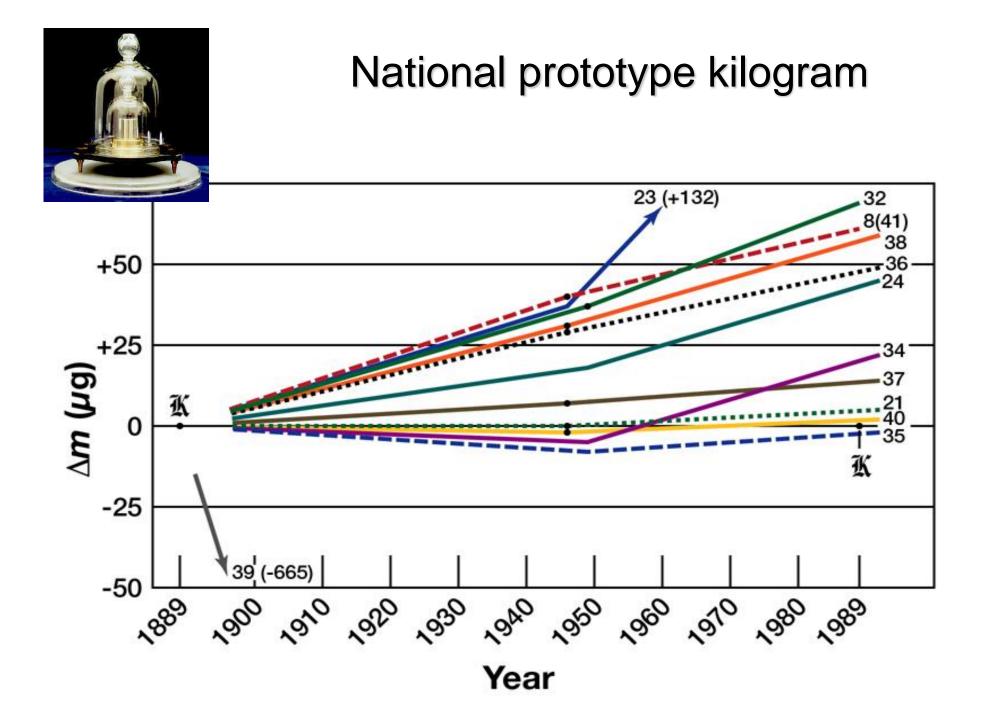


## RISE as Swedish National Metrology Institute (cont.)

- Positive trend regarding NMI core funding
  - Increased internal support and collaboration within RISE
  - Governmental NMI core funding, from Vinnova, has increased over the last 5 years
- NMI has large increase in "other" public funding e.g. H2020
- The NMI has about 1600 customers per year in services such as calibration and training courses
- Government will announce research in measurement technique and metrology as a focus area

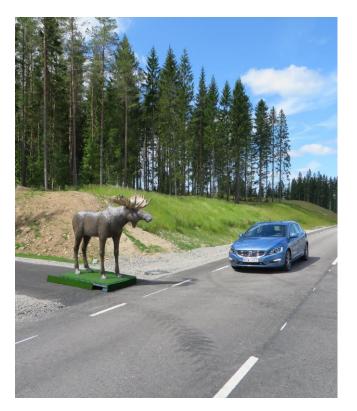


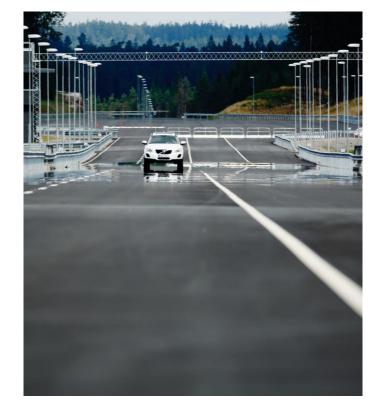












#### Jan Johansson

E-mail jan.johansson@ri.se

#### Telephone +46 10 516 5504

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