



ACADEMY OF FINLAND
RESEARCH FUNDING AND EXPERTISE

Saila Karvinen

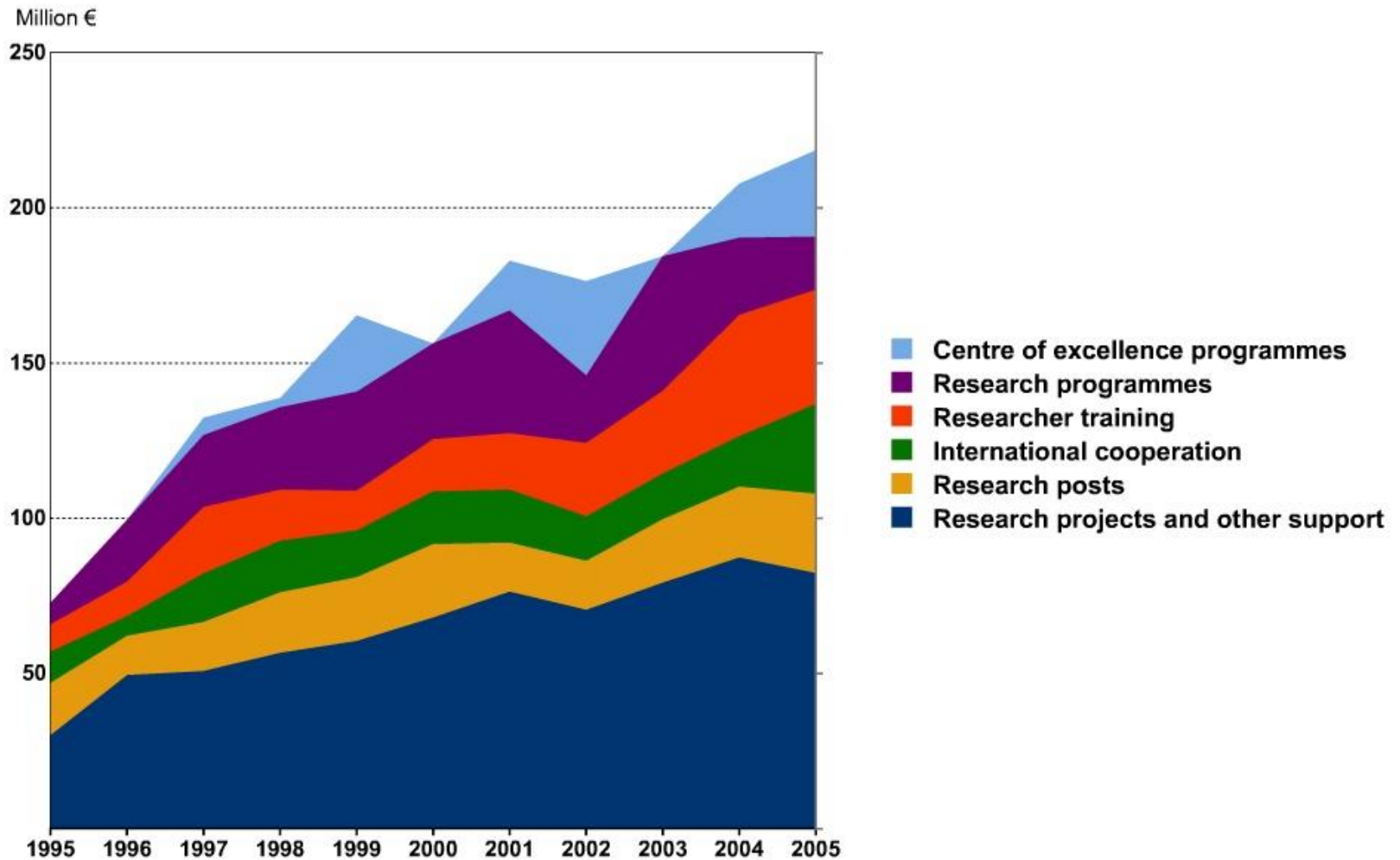
Academy of Finland (AF, AKA)

- The main basic research funding organisation in Finland
- National Research Councils:
 - Biosciences and Environment
 - Culture and Society
 - Natural Sciences and Engineering
 - Health
- The Academy annually provides some 240 million euros in funding for high-level scientific research (2006)
- The Academy of Finland is committed to the best interests of scientific research

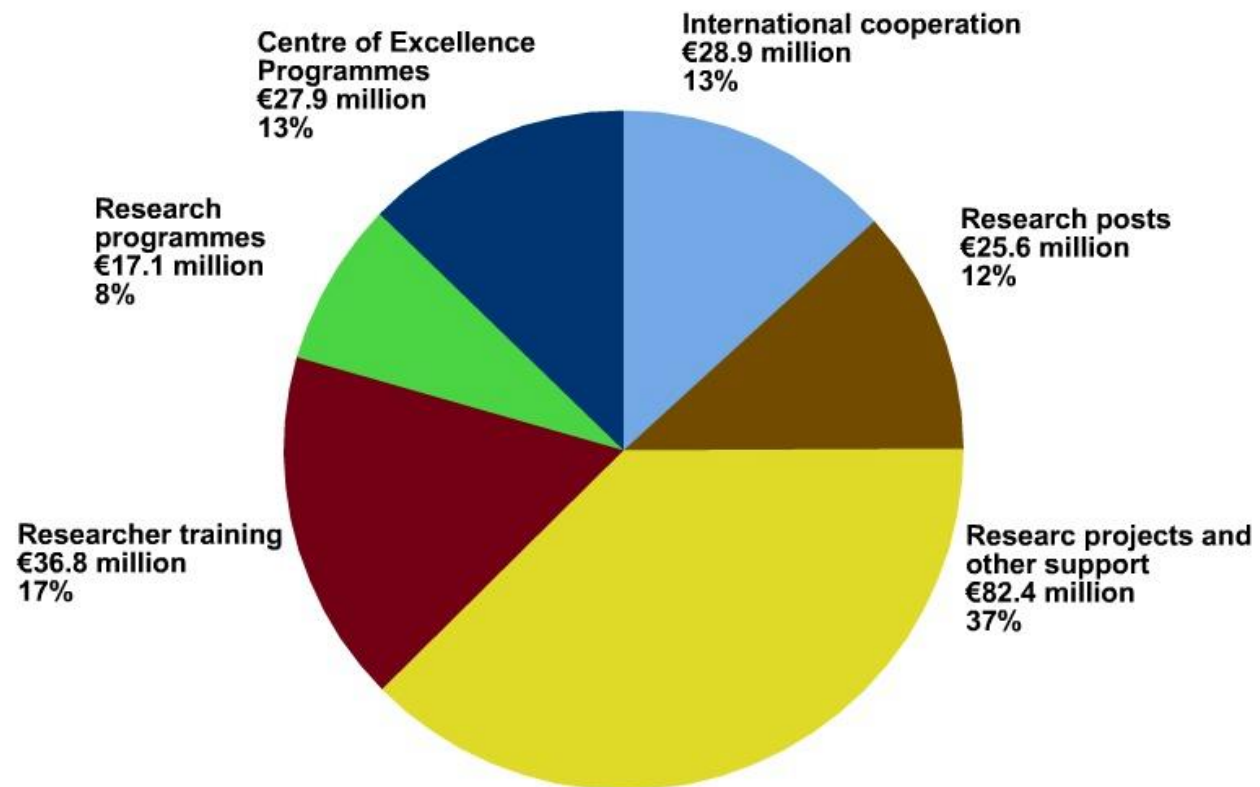
Forms of Academy funding

- General research grants
- **Research programmes**
- Centre of excellence in research programmes
- Finland Distinguished Professor Programme (FiDiPro)
- Research posts: Academy Professor and Academy Research Fellow
- Postdoctoral researcher's projects
- Contacts between research and business and industry

Academy of Finland: Funding decisions in 1996-2005, by target



Academy of Finland: Research funding decisions by form of funding year 2005



Total 218.7 million euros (incl. international membership dues)

A research programme is composed of a number of research projects that

- are focused on a defined subject area or set of problems
- are financed for a fixed period of time and
- have a co-coordinated management

Important

- novelty value
- added value



Academy of Finland 7.5 million euros,

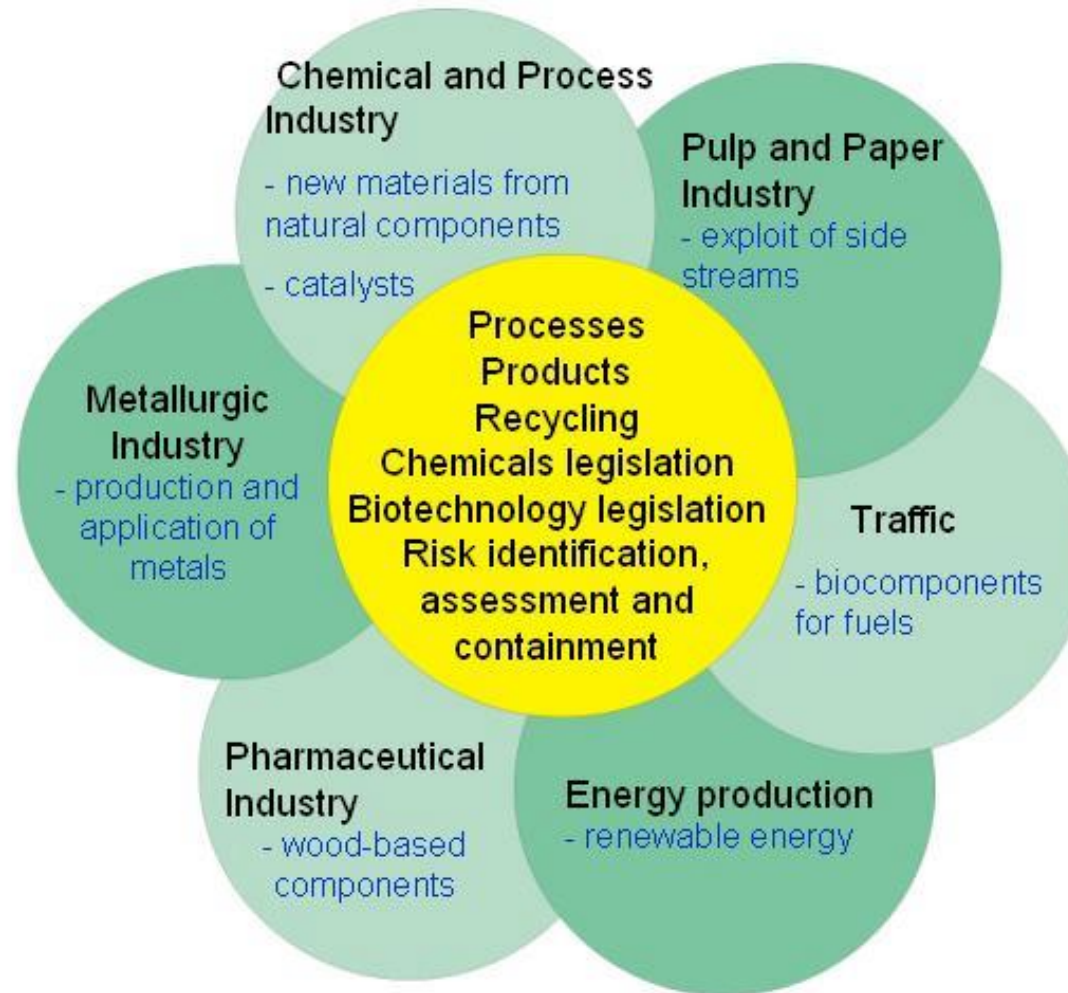
Programme Manager Dr. Saila Karvinen

The aim of the Sustainable Production and Products Research Programme is to strengthen basic research in process engineering and chemistry, to produce new and innovative scientific knowledge in optimal recycling, minimising waste production and new products and production concepts

research themes:

- industrial ecology
- green chemistry and engineering
- chemicals in industrial production; testing and regulation

Sustainable production and products



KETJU expert panel meeting on 12-13 June 2006

- Panel members:
 - Prof. James Clark, UK - Chair
 - Prof. Andrew Abbott, UK
 - Prof. Walter Hamilton Peters, III, USA
 - Prof. Art Ragauskas, USA
 - Prof. Jonathan S. Dordick, USA
 - Prof. Ester van der Voet, The Netherlands
 - Prof. Pauline Deutz, United Kingdom

KETJU decisions

- January 2006 we got 126 letters of intent from which 102
.....
- 40 research plans were evaluated scientifically
- 15 projects were funded

- Chemistry, process, pulp and paper industry
- Fuels, energy, metallurgy, pharmaceutical industry

KETJU TARGETS

- Real programme
- New contacts
- New approaches
- Meetings, networks in Finland and in other countries
- Scientific papers
- Doctoral theses

- Innovations
- Productivity
- Quality
- Welfare

KETJU Follow-up

- According to the targets
- Programme group
- Programme manager
 - visits to the groups
 - seminars
 - reports
 - self-estimations

Coordination timetable

Year 2006

- application process, selecting projects for funding

Year 2007

- visiting projects, collaboration between projects

Year 2008

- communications with industry

Year 2009

- UNESCO/TWAS common seminar

Year 2010

- Publicity of records

Year 2011

- Final evaluation of the programme



Research programme process

Final evaluation of the research programme – a tool for science policy and development of research

Research programmes are evaluated against their starting points, goals and volume of funding

- programme ensemble
- added value of the programme
- themes, projects

Evaluation of programme impacts

- scientific, societal (social, cultural and political), economic and technological impacts
- preferably implemented some time after the programme has ended

Utilisation of the evaluations

- research councils' measures to implement recommendations presented in the evaluations