

# The Netherlands, Big Science

and this working conference

Gerard Cornet, coordinator ILO-Net

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Toon Verhoeven	A.G.A.Verhoeven@diffen.nl	Fusion facilities
Rob Klopping Jan Visser	klopping@nikhef.nl janvs@nikhef.nl	Accelerator, neutron and X-ray facilities
Wilfried Boland	boland@strw.leidenuniv.nl	Optical Telescopes
Ronald Halfwerk Michiel van Haarlem	halfwerk@astron.nl haarlem@astron.nl	Radio Telescopes
Paul Hieltjes Daniel van Beekhuizen	p.j.hieltjes@sron.nl d.vanbeekhuizen@spaceoffice.nl	Space instrumentation
Martin van Breukelen	m.vanbreukelen@science.ru.nl	Magnets with ultra-high fields
Marck Smit	Marck.smit@nioz.nl	Sea research
Gerard Cornet	g.cornet@sron.nl	Coordinator
Eric Boom	ericboom@upcmail.nl	Representing Dutch industry

# *ILO-Net*

- Industrial Liaison Officers at the NWO-institutes to share experience and best practices in the relation with industry
- Inform Dutch high-tech industry about forthcoming tenders and support them in the tender process
- Organize the events where science and industry can meet
- Advise the Dutch authorities on innovation policy with respect to Big Science

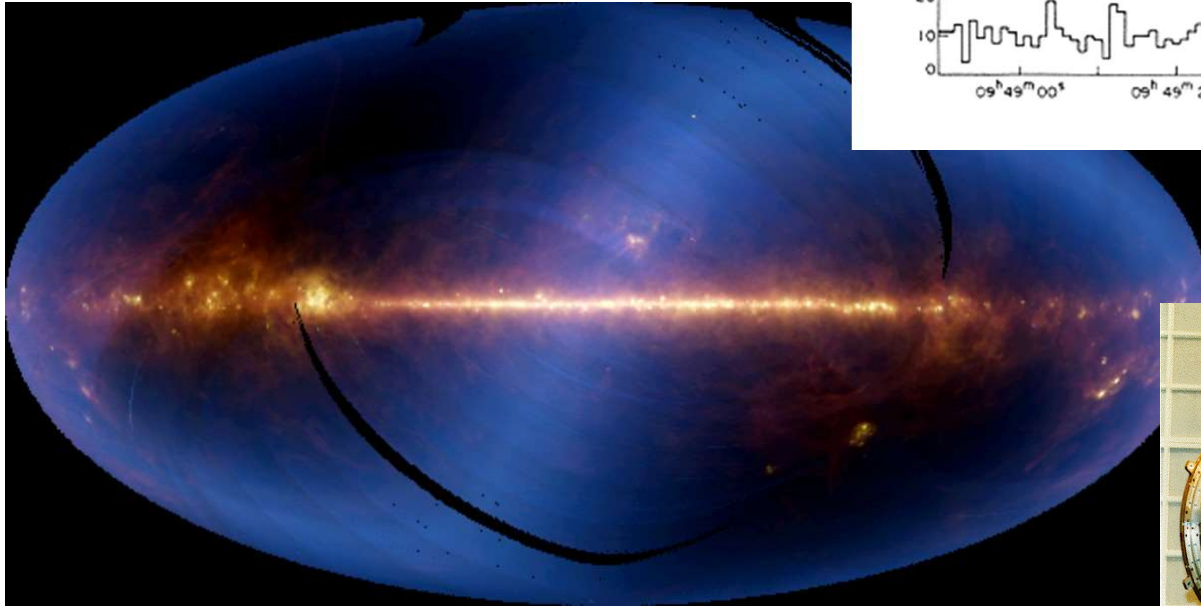
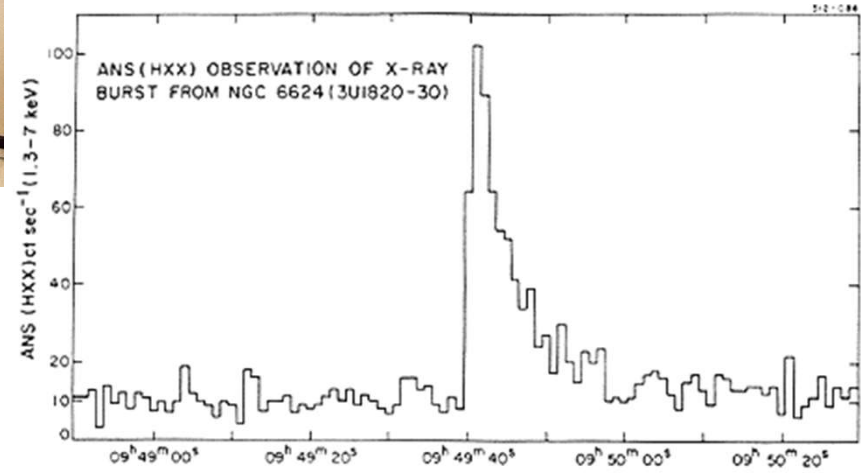
**Important goal is to raise industrial return**

NWO

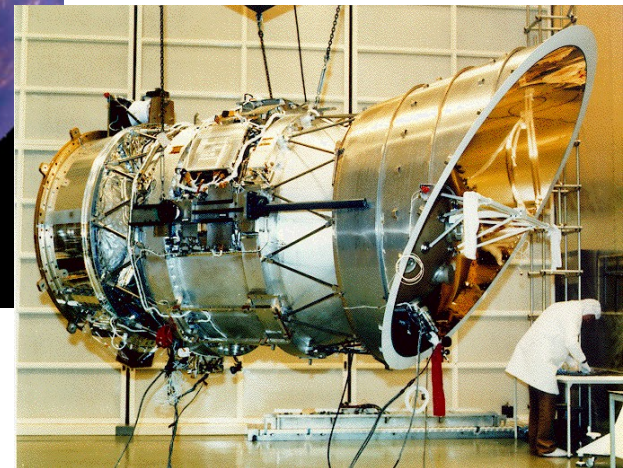
1974



IL0-net



1983; all-sky survey IRAS



Since then, to push frontiers in science;

- Extremely complex technology has to be developed
- Projects become increasingly more expensive
- Collaborations are getting larger, more interdisciplinary and more international
- The time between conception and realization of experiments is increasing

# *A few observations*

- From the science perspective;
  - ✓ There is less room for curiosity driven research and low TRL technology development
  - ✓ Getting funding support is increasingly dependent on the ability to create large, multidisciplinary and international collaborations,
  - ✓ It is increasingly difficult to incorporate industry, especially SME
  - ✓ National authorities have limited scope in policy (strategy)
- From the industrial perspective;
  - ✓ Pre-qualification to enter Big Science projects (tendering) is getting cumbersome
  - ✓ Growing tension between the “business case” and long term strategic investment
  - ✓ National authorities have limited scope in policy (strategy)

# *Contact*

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