



# Universities, Engagement, Impact, & Science Shops

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**Living Knowledge**  
The International Science Shop Network

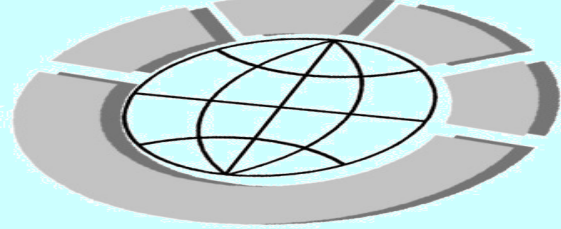
**A Science Shop** (is a unit that) provides

**independent  
research  
support  
&  
participatory**

**in response  
to**

**concerns expressed  
by civil society.**



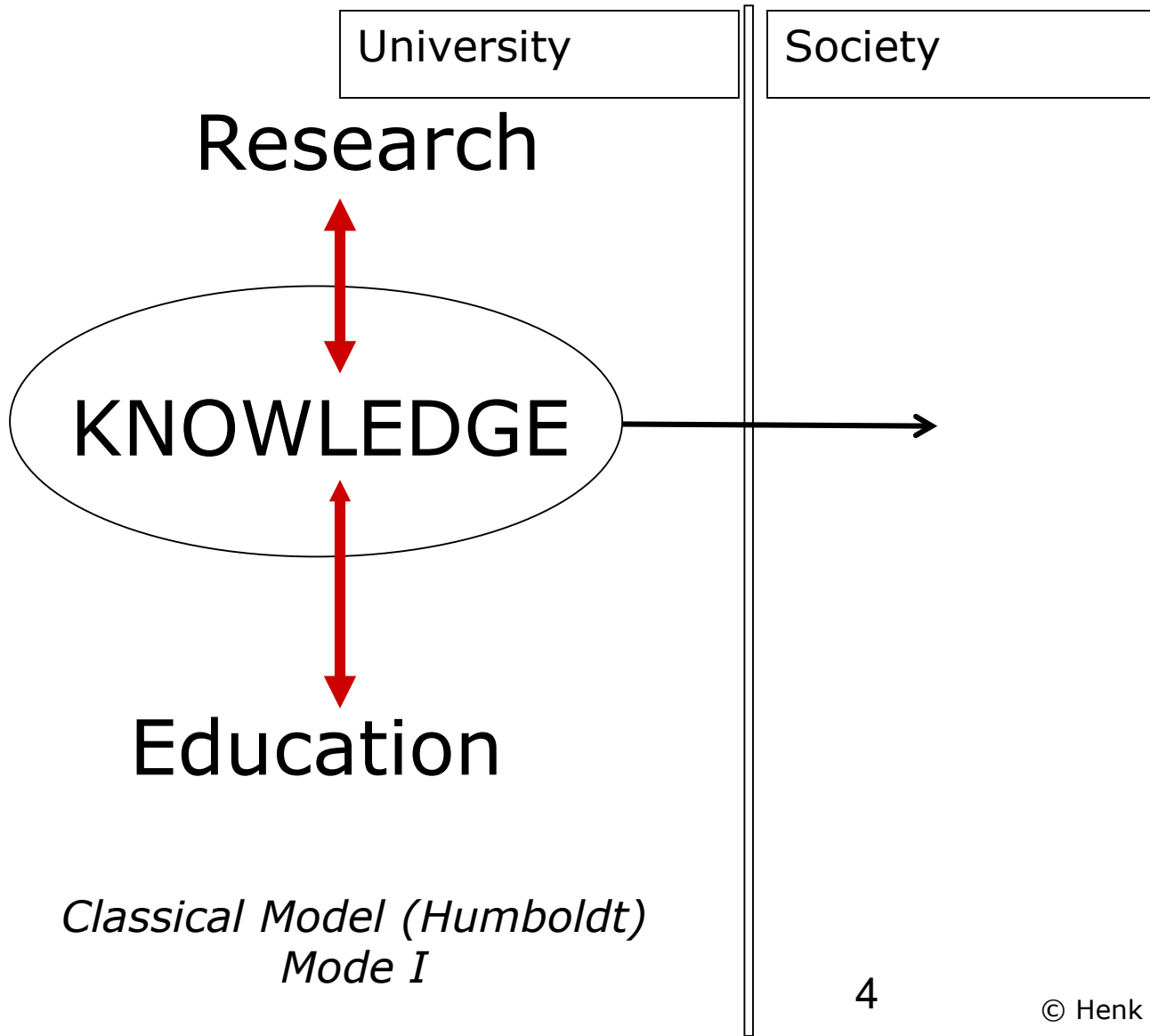


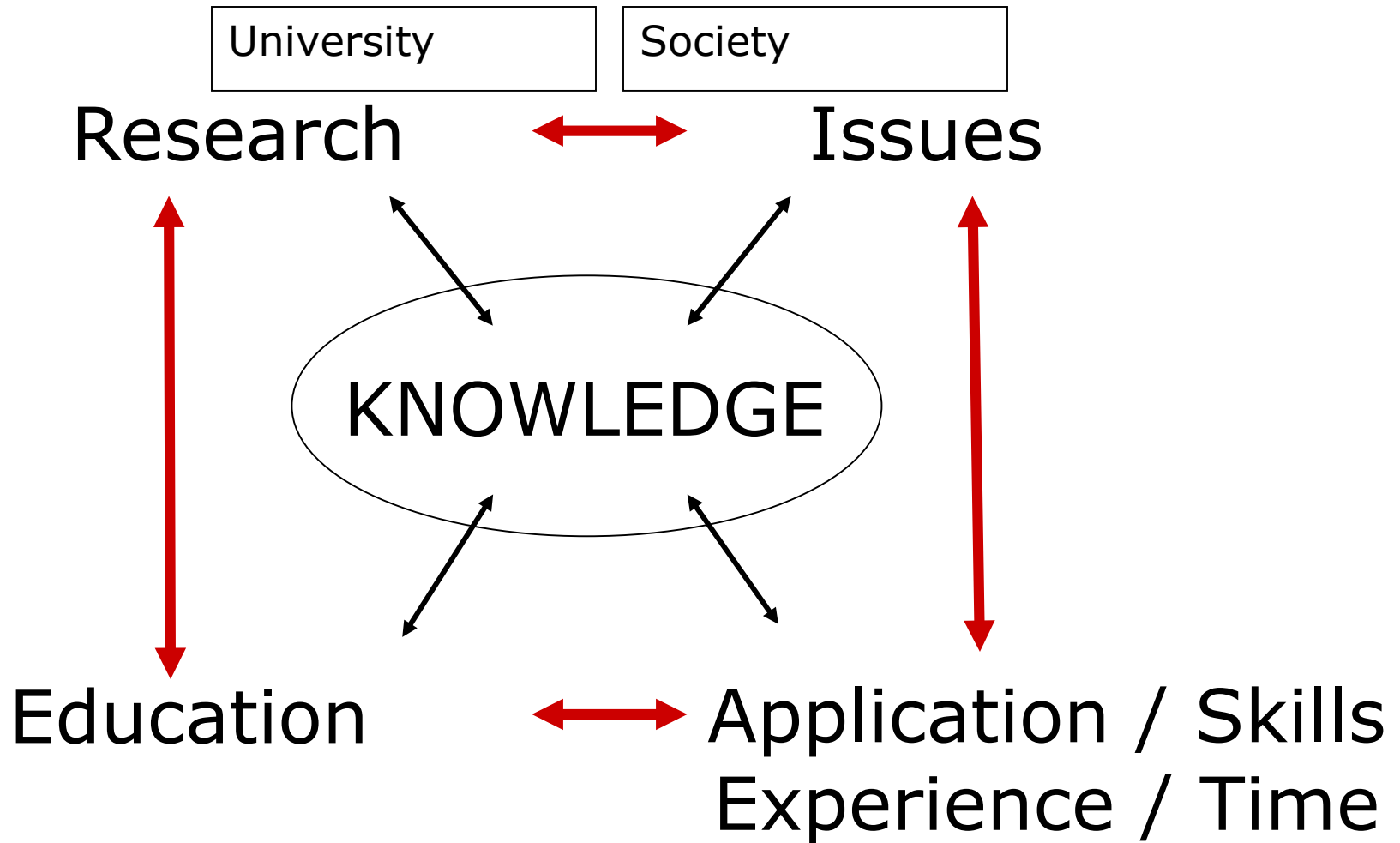
# Living Knowledge

## The International Science Shop Network



- 1970s Netherlands (USA, Canada)
- 1980s Australia, Denmark, England, Northern Ireland, Germany, Austria, France, Belgium
- 1990s Canada, Spain, Romania, New Zealand, Malaysia, Czech Republic, South Korea, South Africa
- 2000s Belgium, France, South Korea, Portugal, Japan, Ireland, Hungary, China, Italy, South Africa, Latvia, Turkey
- 2010s Cyprus, Israel, Norway, Lithuania, Belarus, Tunisia, Poland, Scotland, Finland, Haiti, Benin, Senegal, Burkina Faso, Cameroun, Ivory Coast, Niger, Togo, Burundi, Guinea, DR Congo, Estonia, Greece, Wales





Dialogue, Interactive,  
Responsive System, Co-Creation

# Responsible Research and Innovation

“generate innovation  
that reflects  
societal views & needs”.



# University of Groningen

Since 1614

Classical University

30,000 Students

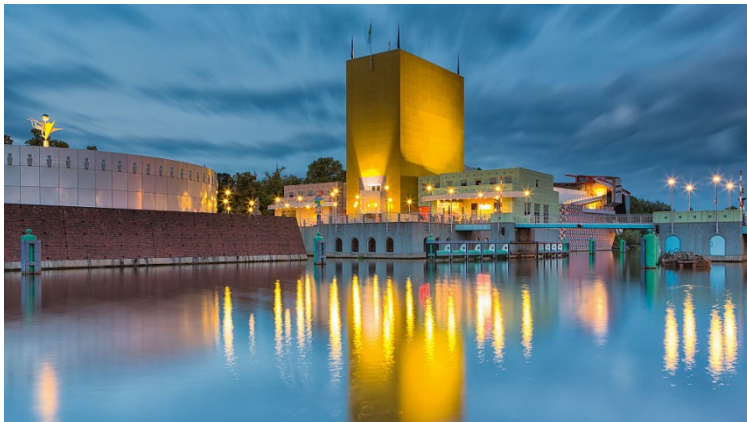
5,000 Staff

THE #79, Shanghai #65, U-Multirank #1





# Groningen

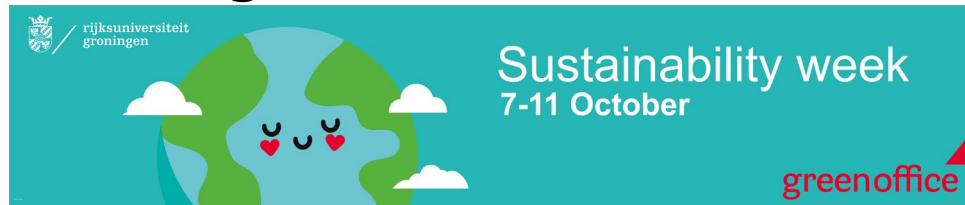
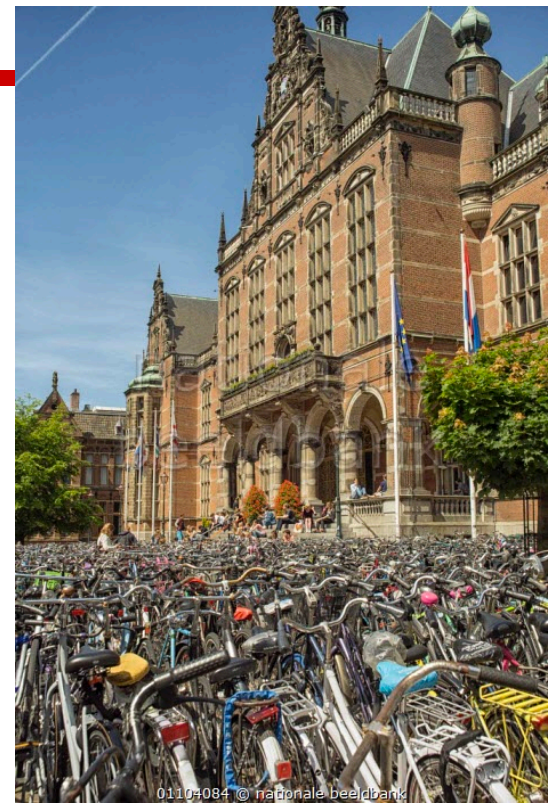




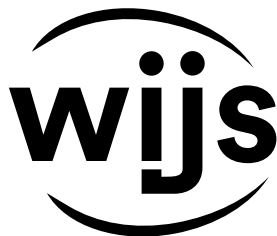
# University of Groningen

6 Science Shops (since 1979)

- Business Management and Economics
  - Medicine and Public Health
  - Languages, Culture, Communication
  - Education Studies
  - Science and Engineering
  - Philosophy
- + Green Office



+



Neighbourhood Efforts Students  
and Young People (~WISE)  
Hanze University of Applied  
Sciences and Municipality of  
Groningen

# Groningen Science Shops

- Housing Cooperations
- Archeology Monastery Thesinge
- “Landlady 2.0”
- “Pearl-plan” Village Schools

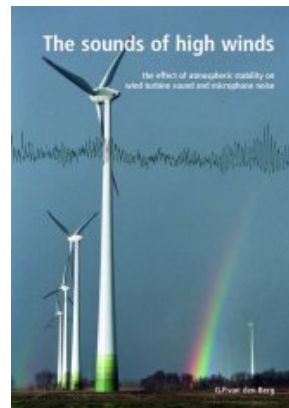


Picture by Tom Harwood, CC



# Groningen Science Shop

- Wind Turbine Noise
- Lighting and Nature
- Earth Quakes from Gas Winning
- Headlice



$$L_W = L_{eq} - 6 + 10 \cdot \log(4\pi \cdot R^2 / A_0)$$





# Impact

- > CSOs: empowered in their work and actions for the wellbeing of citizens
  - > Students: motivation, skills, social awareness
  - > Staff: data, networks, new angles, outreach
  - > University: PR, education, social responsibility
  - > Policy makers: more data to base decisions on
- 
- > Efficient: add-*in*, combines 3 missions university
  - > Limitations: timing, funding → grants!
  - > Limitations: support from 'the system'

# Changing Landscape

**Participatory Action Research**  
**Community-based Research**  
**Science Shops**

**Service Learning (Can/US → EUR)**

**Multi-disciplinary / Transdisciplinary Research**

**Living Labs (Global)**

**Citizen Science (Global)**

**Open Source Investigative (citizen) Journalism (Global)**

**Public Engagement / Impact (UK → EUR)**

**“City Deal Making Knowledge” (NL)**

**National Research Agenda (NL)**

**SaS → SiS → SwafS → Open Science (EU)**





*Living Knowledge*

*The International Science Shop Network*

20 Year Anniversary !!!!!!!



# Welcome to Groningen!

Theme: Synergies

Dates: 24-26 June 2020 (+pre-conference 22-23 June 2020)

<https://livingknowledge.org/lk9/>