



UNIVERSUM[®]

Technik

Mensch

Natur



STRATEGIC PARTNERSHIPS

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AREA OF INNOVATION



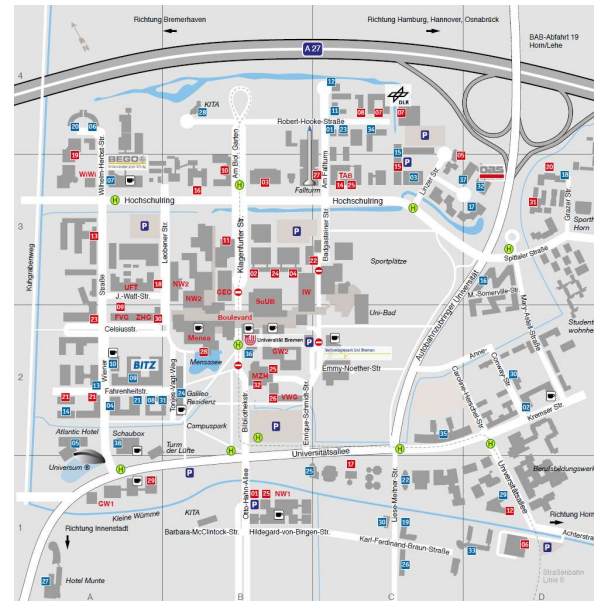
450 SME and Research Institutes

University Bremen
Max Planck Society
Fraunhofer Society
Helmholtz Association
Leibniz Association

OHB
Siemens
Mevis

...

→ Ideal win-win situation



PERMANENT EXHIBITION



Technique



Human



Nature



UNIVERSUM® BREMEN



classical hands-on

→ well-known scientific phenomena



RESEARCH INFORMATION



Bridges between cutting-edge research and Universum® Bremen

Visited institutes

What is your field of interest?

What are the latest research results?

What is important in your field?

Artifacts or exhibits?

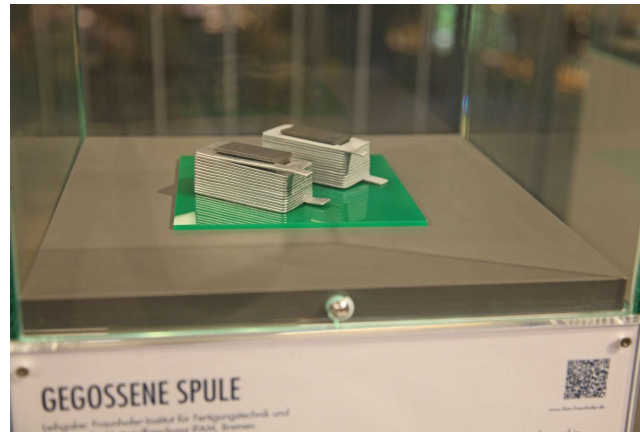
Interviewed scientists (....., why did you become a scientist?)

RESEARCH INFORMATION



interview research results

research flashlights



research product

more information
QR code



wheel hub motor

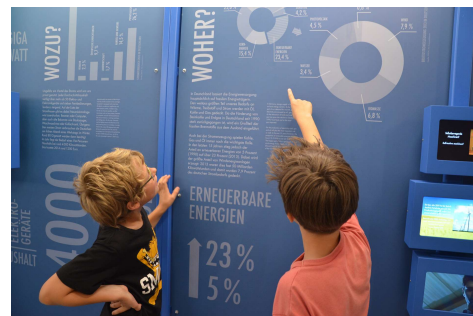
RESEARCH INFORMATION: TECHNIQUE



electromobility

renewable energies (wind)

digital world (robotics)



TEMPORARY EXHIBITION



in co-operation with partners (research institutes)

duration: 9 - 12 months



Ey Alter
demographic change

October 2015 – August 2016
partner: Mercedes
Jacobs University

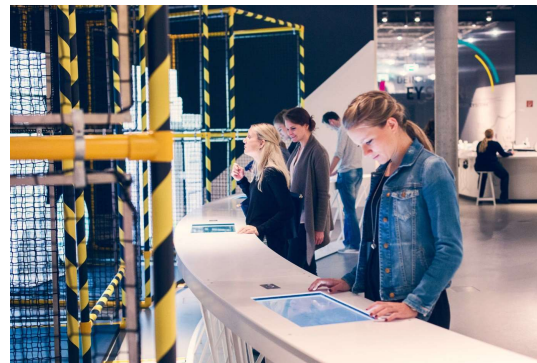
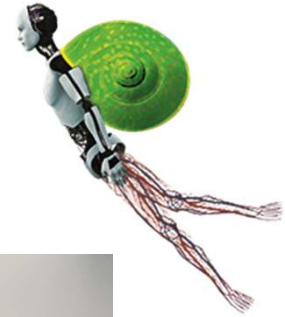


Teilchenzoo
Higgs-Boson ... antimatter

October 2013 – June 2014
partner: DESY, Hamburg



EY ALTER - DEMOGRAPHIC CHANGES

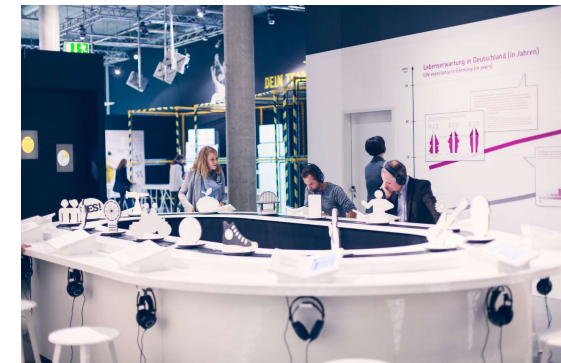


Different ages (knowledge, biology, ...)

Competition of generations

Information on ageing societies

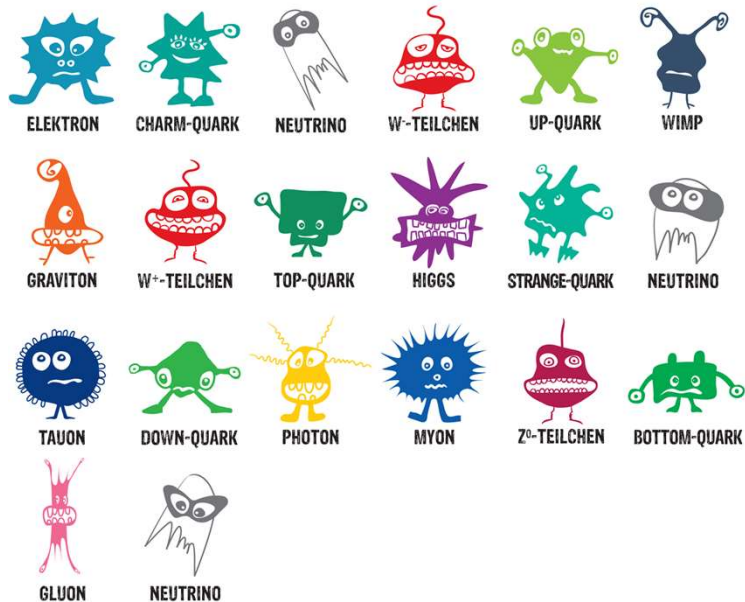
Examples: how companies address the demographic change



TEMPORARY EXHIBITION



Teilchenzoo



Partner: Deutsches Elektronen-Synchrotron
Hamburg

<https://teilchenzoo.desy.de/particlomatic/>

How heavy do you feel?
Are you rather pessimistic or optimistic?
Are you easily distracted?
Do you have a fragile mind?
Do you change between different personalities?
Are you a team player?
Are you shy?
Are you communicative?
Do you like to look in the mirror?
Are you living in a dream world?

EDUCATION

Jugend forscht / Schüler experimentieren

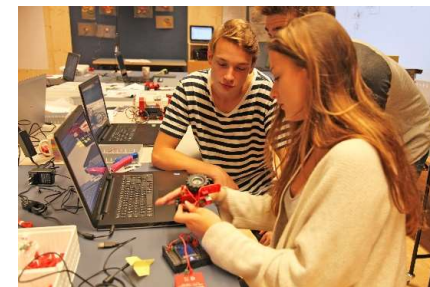
- network of supporters (research institutes, companies)
- coaching for students

Junior Science Cafes

- researcher as expert

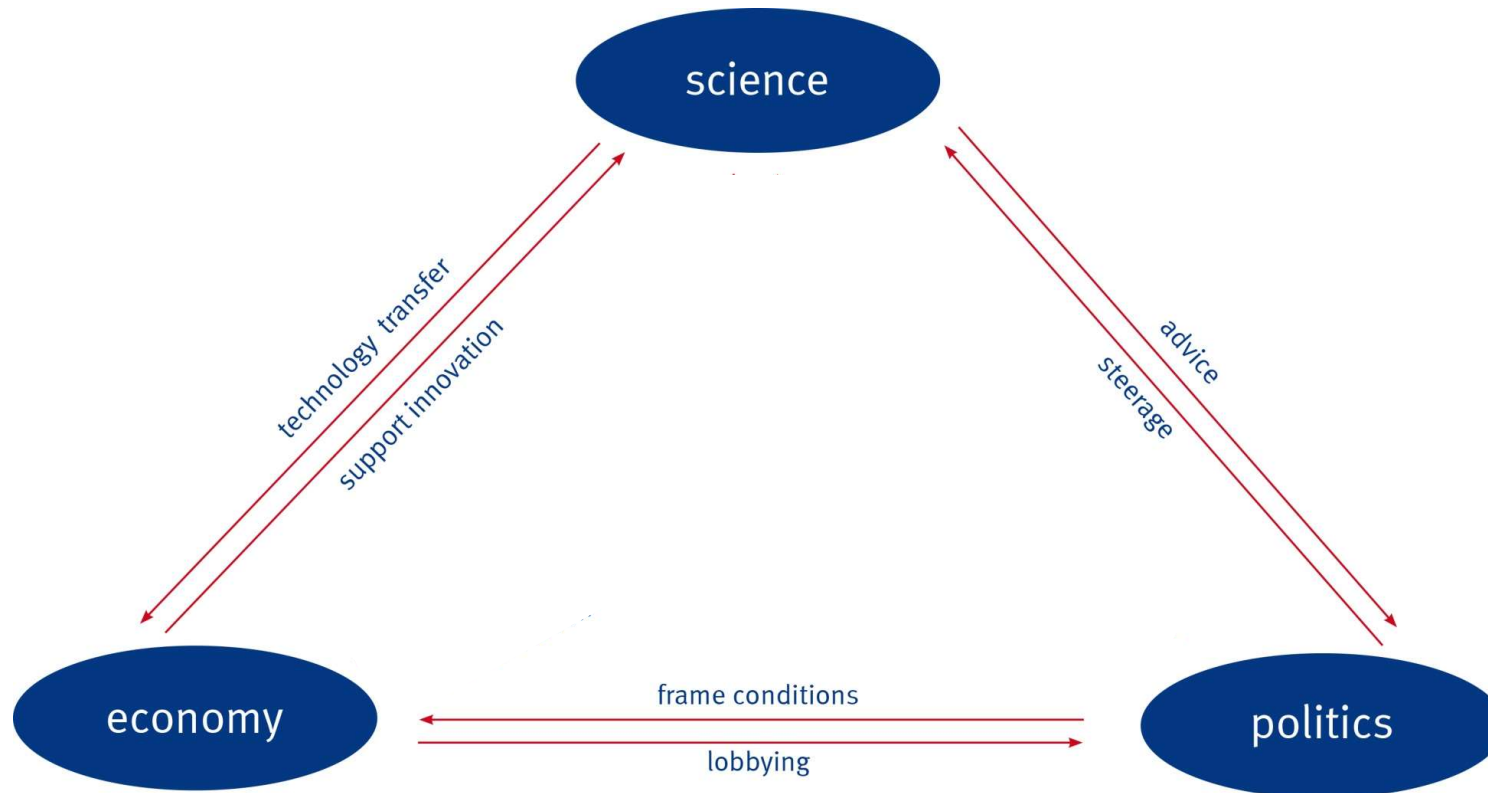
Nordbord - Science Club Universum® Bremen

- visiting program (industry, research institutes)
- collaboration with researchers





COMMUNICATION





*Platform of **L**ocal **A**uthorities and **C**ommunicators **E**ngaged
in **S**cience*



- | | |
|---------------|--|
| Ecsite | European Network of Science Centres and Museums |
| Eusea | European Science Events Association |
| ERRIN | European Regions Research Innovation Network |
| UPF | Universitat Pompeu Fabra, Barcelona |



PLACES DECLARATION



On the European City of Scientific Culture

Invests in science, research and innovation

Recognizes that economic competitiveness requires informed and engaged citizens

Has a strategic and sustainable action plan

Improves participation in democracy

A permanent interdisciplinary exchange between scientists, policy makers, and the public will facilitate trust and confidence in science and the humanities – prerequisite for scientific development which will help to attract and foster young talents, scientists and investors.

VOICES



Views, Opinions and Ideas of Citizens in Europe on Science (VOICES)

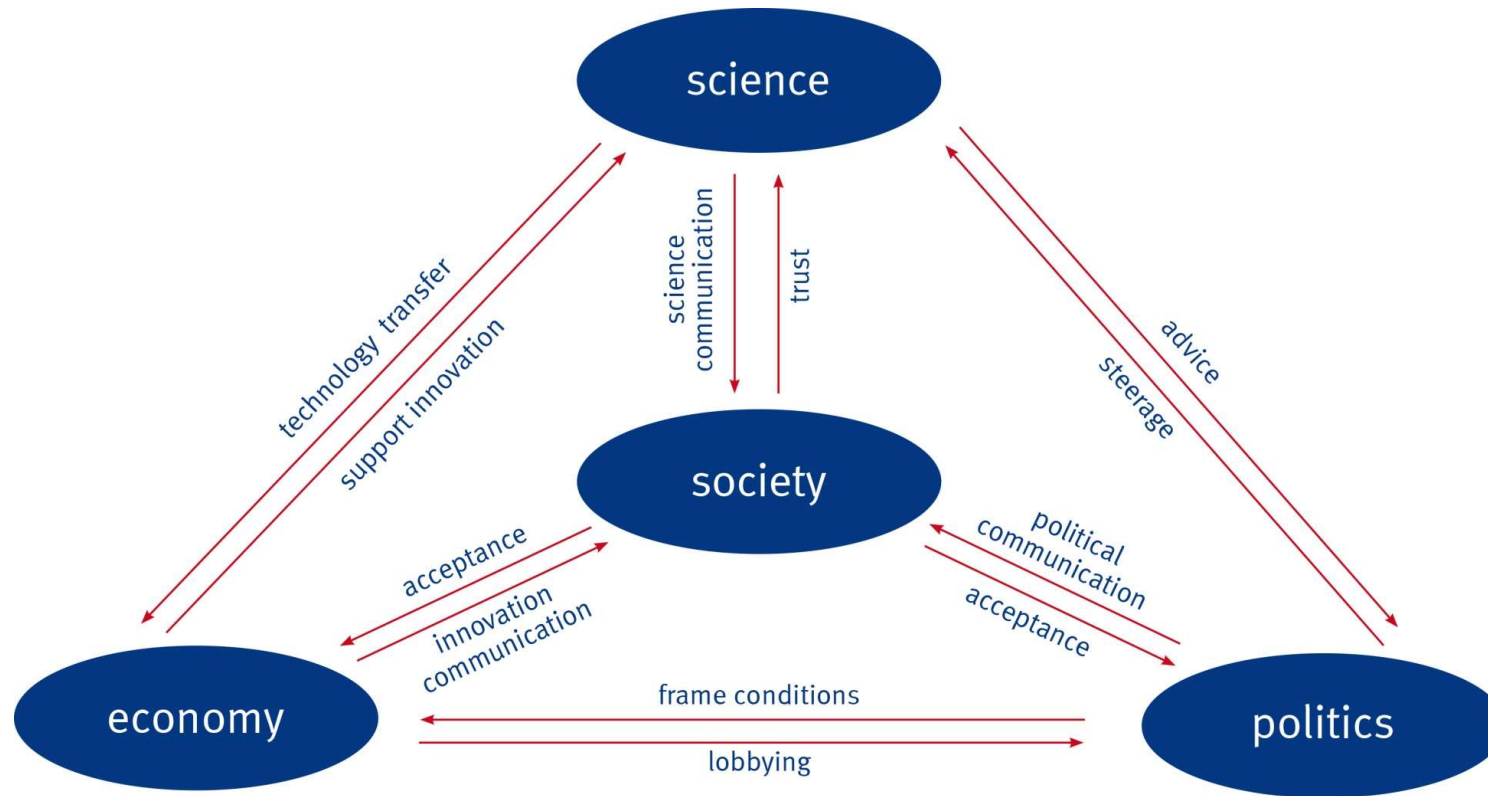
VOICES aimed at running a Europe-wide public consultation initiative, but also at providing valuable know-how on methodological and procedural aspects for the structural employment of citizens participation in defining the European research agenda in the framework of Responsible Research and Innovation.

Topic: Urban Waste
Method: 100 focus groups
Participants: 1.000 European citizens
33 locations, 27 countries

→ Outcome affected Horizon2020 calls



COMMUNICATION



Where is public engagement and participation?



THANK YOU!