



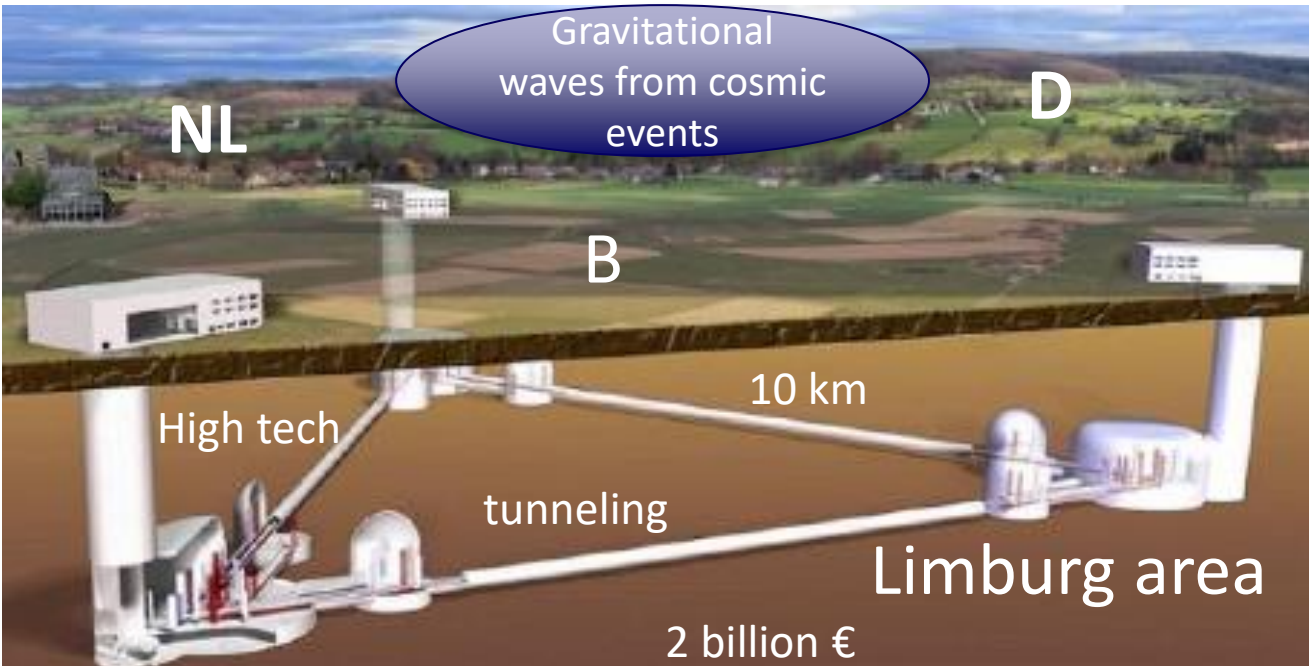
Einstein Telescope : Big Science for Belgium

Embracing technology
Embracing ambition

ir. Christian Dierick
Manager Big Science Technology Club

■ **AGORIA**
Big Science
Technology Club

Einstein Telescope is a Big...



...**Scientific** Project
(ESFRI priority project, FWO, all Belgian academic institutions)

...**Technological** project
(tunneling & diverse high tech)

...**Regional** development project
(location for infrastructures)

...a Big **International** project
(B-NL-D-I)
(Limburg? Sardinia?)

AGORIA, technology broker in Big Science & Nuclear markets

AGORIA: Belgian Federation for the Technology Industry (> 2100 companies),
-> **Business Development Clubs** for specific (inter)national markets , such as



To support (Inter)national Business in
Big Science markets with belgian relevance:

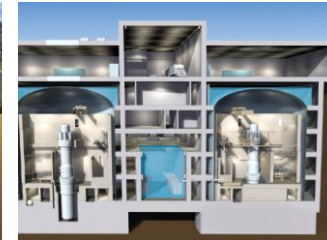
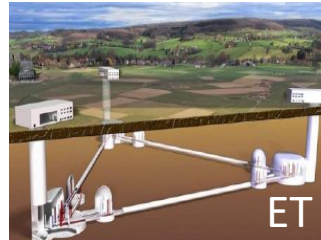
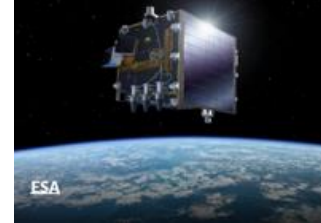
1.ESA 2.ESO **3.ET** 4.CERN 5.ESRF 6.ILL 7.MYRRHA 8.ITER

Nuclear tech markets (crucial for Big Science, medical, energy, ...)
construction (NPP's) & decommissioning & recycling

Big Science demand side

Our target markets

- **ESO** - European Southern Observatory
 - **ITER** - International Thermonuclear Experimental Reactor
 - **ET** - Einstein Telescope
 - **CERN** - Conseil Européen pour la Recherche Nucléaire
 - **ESRF** - European Synchrotron Radiation Facility
 - **ILL** - Institut Laue Langevin
 - **ESA** - European Space Agency
 - **MYRRHA** - Belgian accelerator driven reactor
- **NUCLEAR INFRA** - power plants etc.
- construction, R&D, LTO, operations
- decommissioning competences



Big Science Technology Club (BSTC) supply side

- Vacuum technology (vessels, cryo-pumps, seals, ...)
- Electrical power supplies & electrotechnical components
- **Remote handling** & electromechanical solutions
- **Detectors & diagnostics, instrumentation**
- CODAS (Control & Data Acquisition Systems), **IT** and telecom
- Various components (including precision mechanics and 3D printing), **customized materials**
- Cryo-technology
- Cooling systems, HVAC & civil engineering equipment
- **Nuclear Equipment and Services (protection, radiation measurement, rad-hard electronics, packaging etc.)**



Big Science ILO network, Agoria PERIA vice-chair

2nd PERIA Board Meeting

PERIA board meeting 15 FEBRUARY 2023_PA - Modo de compatibilidad - Guardado en Este PC

subcontracting possibilities to SMEs **(JE and BC)** (**WEBINAR II** originally planned in June)

- **Theme 3: Bringing down entry barriers for SMEs** on the Big Science common market Webinar II, will also cover this theme.
- **Theme 4: Improving the Big Science organisations' interaction with industry**
Some advice could be extracted from juliette's book; it's decided to postpone
- **Theme 5: The role of the ILO in facilitating technology transfer**
(JV) is responsible for this theme.
(BC) as elected PERIA Chair will send the invitation for all the ILOs interested in BIGINN e TT (EVENT I)
- **Theme 6: Measuring the economic value of the Big Science market**
(LJ), will make a proposal for this theme

For organising all these webinars a registration platform it's need + Zoom. **(MH)** will look at the possibilities of Indico platform asap.

Turn camera off (Ctrl+Shift+O)

Network of over 100 EU Big Science ILO's

Let's go for an ET tripartite B-NL-D !

New BSTC members
&
sponsors welcome !

Join Big Science Belgium

Powered by:

AGORIA

Your gateway to Big Science technology markets...

Partners:

sck cen

Exploring
a better tomorrow

FLANDERS
INVESTMENT
& TRADE



Flanders
State of the Art

WALLONIA
EXPORT
INVESTMENT

Region
Brussels
Capital Region
BELSPO

hub
.brussels
our business is to help yours

economie
Ministerie van
Economie, Wetenschap,
Middelstand en
Nieuw Bedrijfscreëren