

E-government research projects together with IBBT

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What is the mission of the IBBT research institute?

4 The **I**nterdisciplinary institute for **B**road**B**and **T**echnology is a research institute founded by the Flemish Government, focusing on information & communication technology (ICT) in general, and applications of broadband technology in particular

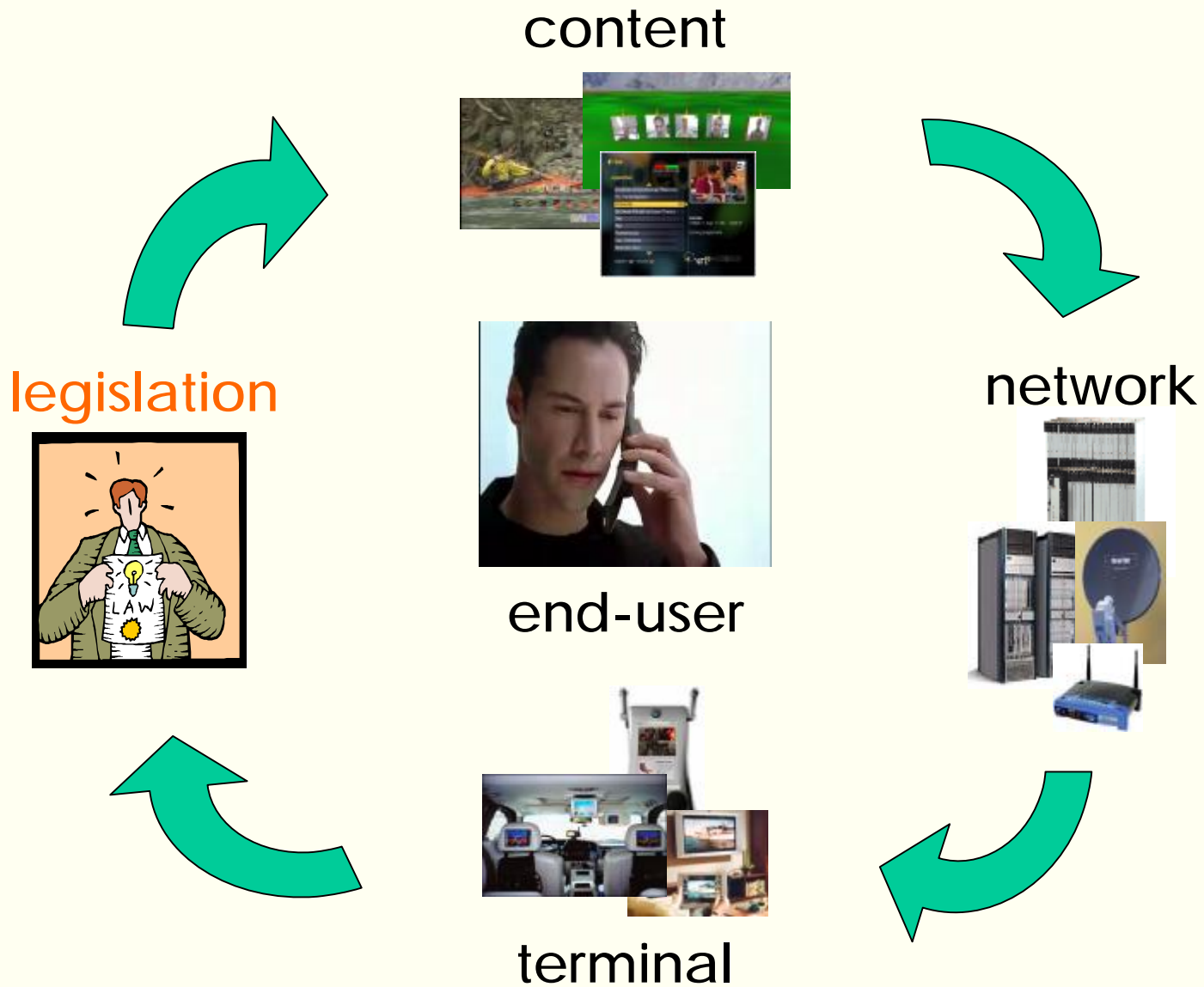
4 Mission:

- stimulate the development of highly competent human capital
- perform interdisciplinary demand-driven basic research, focused on the development of generic (medium-term useful) knowledge
- perform company-specific R&D-projects with and at the initiative of the industry and the service sector (local and international)
- increase the competitiveness of Flemish R&D by stimulating the active networking between large enterprises, SME's and scientific institutions

4 For more information: <http://www.ibbt.be/>

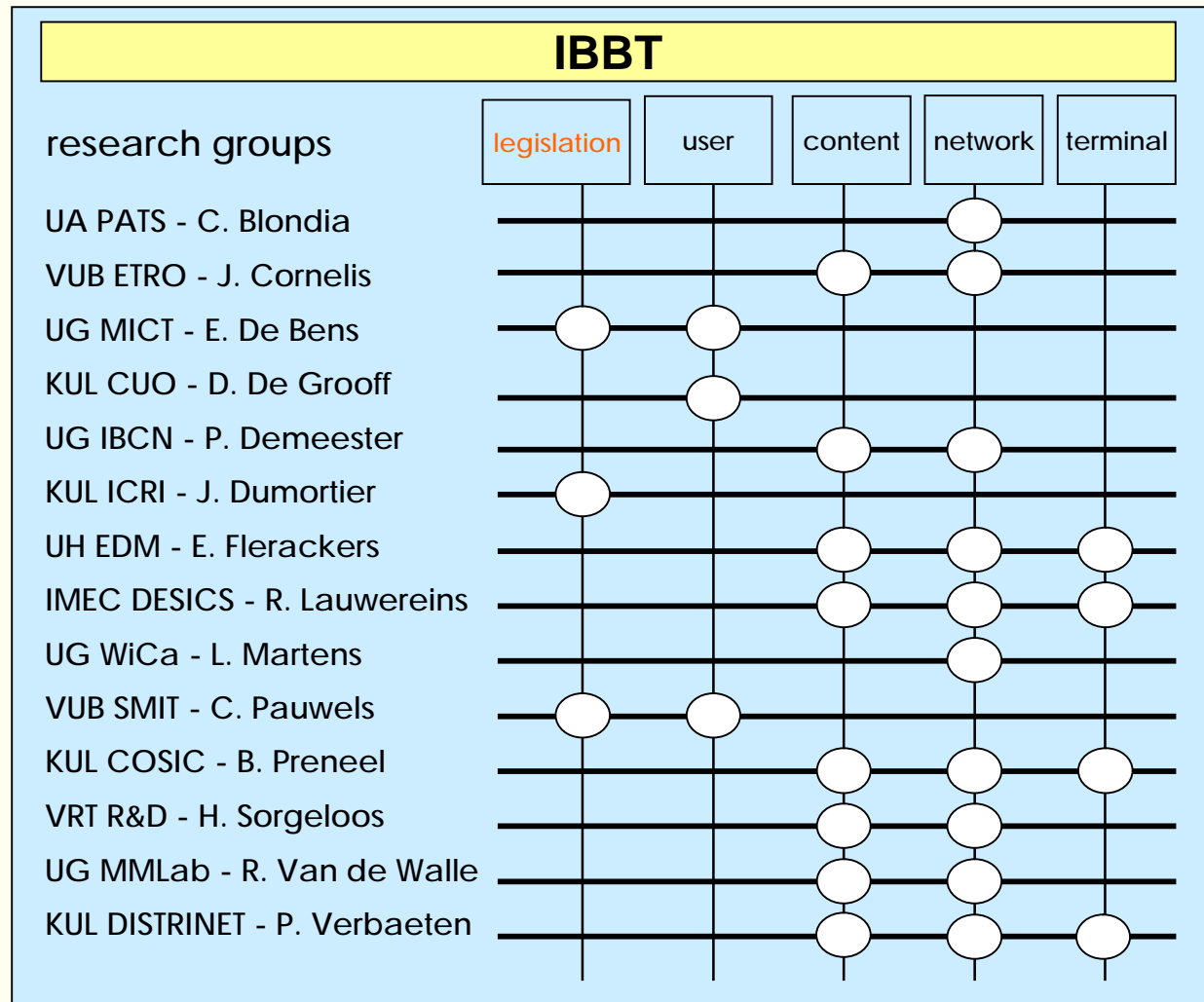


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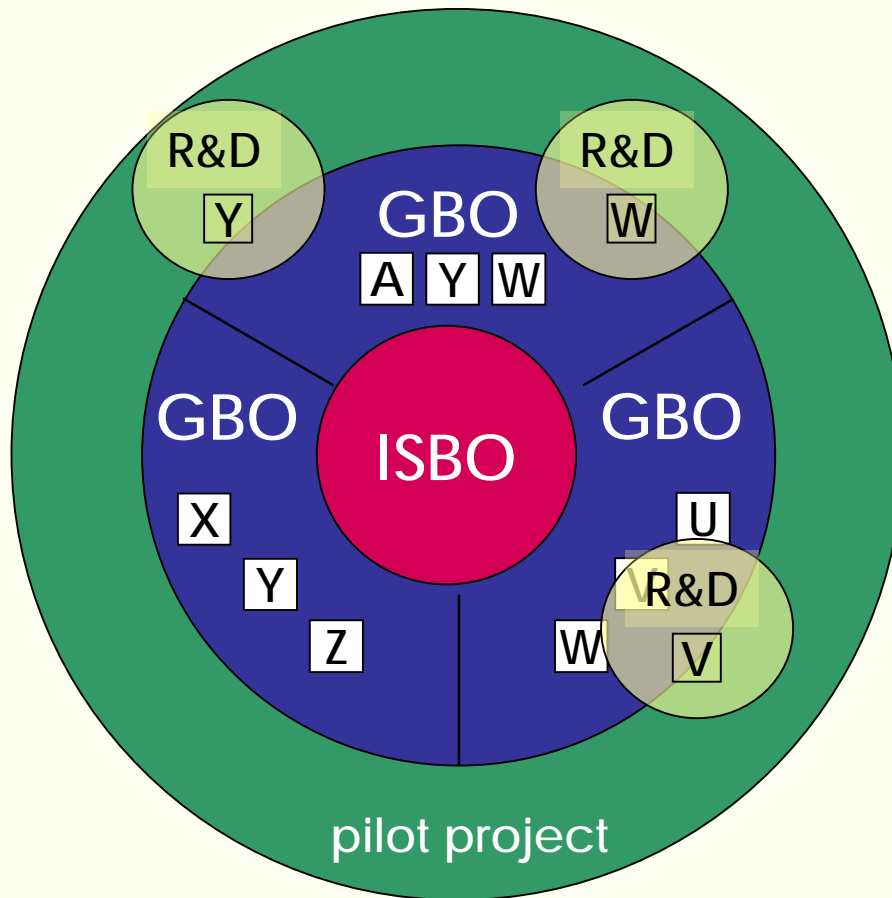


What is the mission of the IBBT research institute?

- 4 To be a **virtual** research institute by joining up existing research groups of 5 different Flemish universities



What are the different types of research projects?



ISBO: Interdisciplinary Strategic Basic Research, with an international scope and with close follow-up by enterprises, 100% financed by the IBBT

GBO: Joint Basic Research, with a more local scope and in close co-operation with a number of enterprises with complementary business models, 50/50% co-financed by these enterprises

R&D: bilateral competitive research & development projects defined by and 100% financed by partner enterprises

Innovation-platforms: (future) permanent co-operation groupings with a perspective on the valorisation of research results, in which clusters of enterprises and institutions work together during a number of years to bring to market a series of technological research results

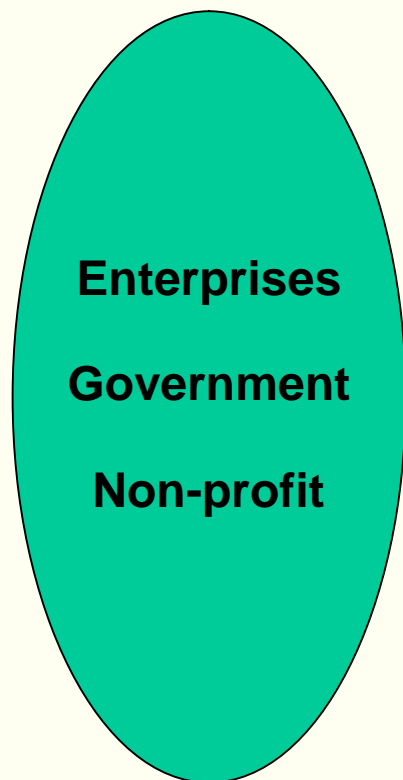


GBO characteristics

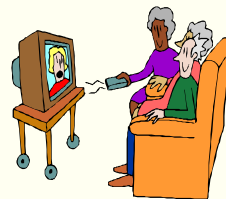
- 4 Research that contributes to solutions where important challenges in multiple domains are being successfully addressed
- 4 Not just technological research, but combined with research into the economical, legal and societal aspects
- 4 Resulting in 'demonstrators'
 - preferably realised at one or more potential users/customers in the application domain
 - demonstrator does not have to be a pilot roll-out ready for immediate commercialisation
 - demonstrator does have to provide a 'proof-of-concept' test setting that allows for the validation of the research results in a real-world environment
- 4 Financial:
 - at least 50 % financed by partners (enterprises or social profit organisations)
 - efforts of the research groups are paid entirely from the IBBT-budget



How does the IBBT define research priorities?



demand-driven



new media



eHealth



eGovernment



enabling technologies



eMobility



GBO project cycle

4 Projects submitted through yearly open call

- open call for submission of research projects
- yearly brokerage event for determining research priorities
 - break-out sessions with interested parties on particular research subjects

4 Definition and elaboration of project proposals

- enterprises together with IBBT & research groups
- announcing project intentions before the actual call for proposals is launched in order to pool research efforts and find possible partners

4 Evaluation of the project proposals

- technological and scientific advice provided by IWT advisors
- executive board: after qualitative and economical analysis, ranks project proposals and fits them into an overall planning
- board of directors: finally approves projects and allocates budgets
- information & consultation, contract negotiations with project proposers



IDEM: Identity Management for e-Government

- 4 Goal of the project: solve the challenges of Identity Management (IDM) in the Flemish and Belgian e-government context
- 4 The IDM challenges being addressed are:
 - managing **unique identifiers**
 - identifiers for natural and legal persons
 - identifiers for electronic documents (e.g. e-forms)
 - managing **authentication** of persons and services
 - managing **authorization** (using roles) and **delegation** (using mandates)while respecting the citizen's fundamental **privacy** rights!
- 4 Result of the project: prepare the field for a large-scale roll-out of privacy-friendly IDM in Flemish and Belgian e-government
- 4 For more information: <https://idem.ibbt.be/>



INDEX: Intergovernmental data-exchange

- 4 Goal of the project: develop a system for the visualization and composition of electronic business processes in an inter-governmental context (Flemish and federal administration)
- 4 Achieving the goals of INDEX requires:
 - focusing on the building blocks for e-government process integration:
 - alignment of the respective legal requirements
 - formulation of jointly understood basic semantic concepts
 - standardization of technical components: security, data models, ...
 - testing these building blocks in a concrete intergovernmental use case
 - generalizing the insights acquired during the use case implementation
- 4 Result of the project: a framework for intergovernmental e-government process integration (technical and organisational)
- 4 For more information: <https://index.ibbt.be/>



MonIT: developing an ICT-monitor for Flanders

- 4 Goal of the project: develop a reliable measurement instrument for the description and analysis of trends and developments as a result of the 'eFlanders' action plan (in the broader context of the eEurope / i2010 action plans)
- 4 The ICT-monitor needs to be an integrated instrument to:
 - collect relevant data on ICT in Flanders
 - allow continuous measurement of key performance indicators
 - provide an adequate benchmark of 'eFlanders' achievements in Europe
 - permit a broader exchange of information between government (regulator), academics and the private sector
 - permit an objective evaluation of the ICT-related policy in Flanders
- 4 Result of the project: a 'proof-of-concept' Flemish ICT-monitor
- 4 For more information: <https://monit.ibbt.be/>



DashGov: building an e-Government Dashboard

- 4 Goal of the project: develop an integrated instrument for the evaluation and improvement of e-government applications
- 4 The DashGov framework has to be capable of:
 - determining the real needs of e-government users
 - measuring the actual use of e-government applications
 - evaluating user/stakeholder satisfaction as a basis for continuous e-government application fine-tuning and process improvement
- 4 Result of the project: a framework for the evaluation and improvement of e-government applications
 - to be used pre-launch: process improvement / application selection
 - to be used post-launch: application fine-tuning / user satisfaction
- 4 For more information: <https://dashgov.ibbt.be/>



MultiGov: Multichannel approach for e-Government

- 4 Goal of the project: develop a long term vision on multi-channel e-government services in Flanders, taking into account the relevant technological roadmaps
- 4 MultiGov will test (in view of their applicability):
 - flexible user interfaces
 - multi-channel distribution
 - multi-channel interactivity
 - scalable content representation systems
- 4 Result of the project: an expert system that will help decision makers and e-government representatives in their choice of the appropriate communication channels and technologies
- 4 For more information: <https://multigov.ibbt.be/>



Thank you for your attention

Any questions?



More information about Flemish e-government
and the Co-ordination Cell Flemish e-Government:

<http://www.vlaanderen.be/e-government/>

