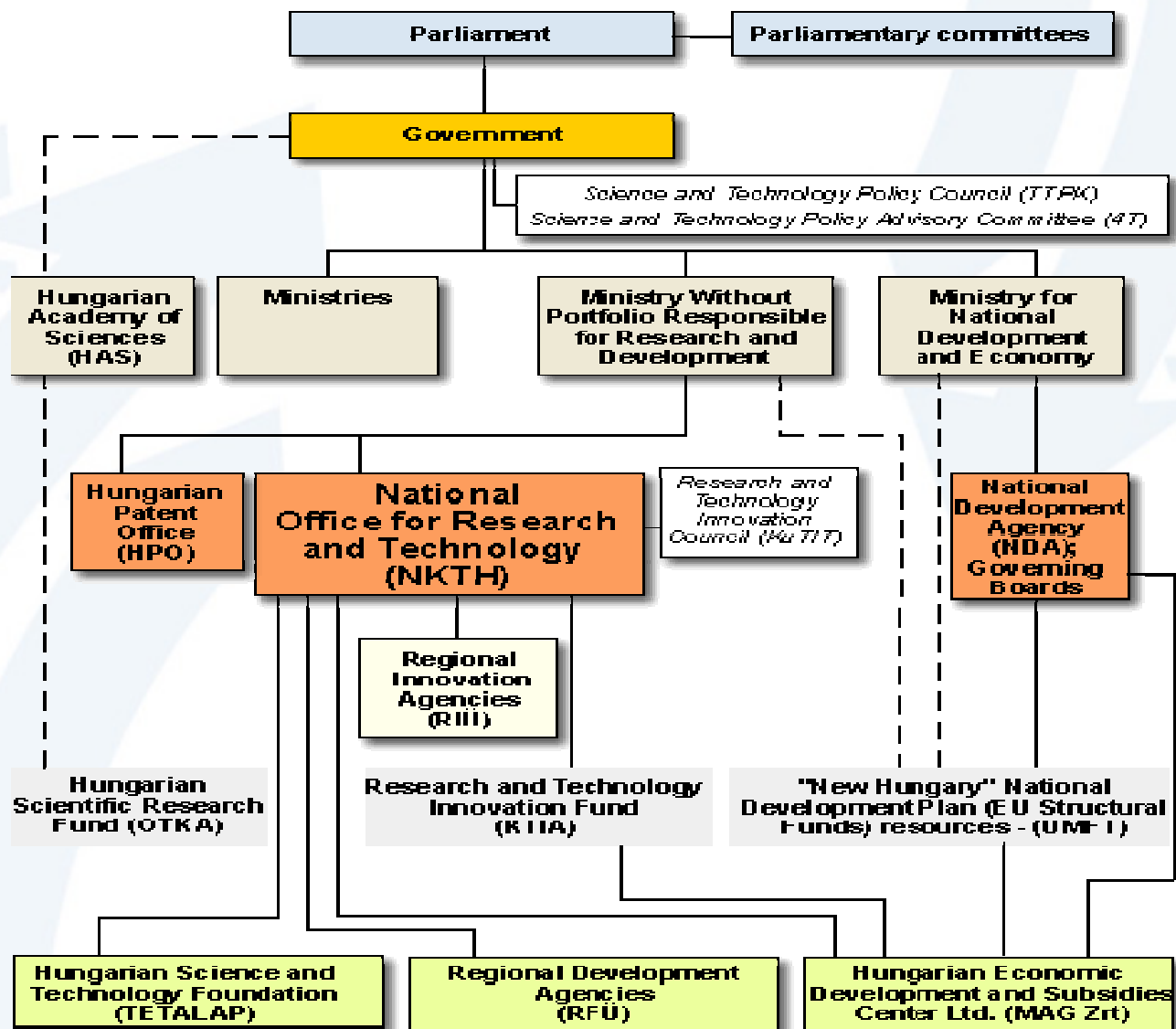


Integrated programme for supporting Future Internet research in Hungary

National Office for Research and Technology

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Head of Department

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- **Mission:**
 - To assist the development of a knowledge-based society and competitive economy through the support of research and technological development.
- **Main tasks:**
 - Implementation of the Science and Technology Policy of the Government
 - Preparation of the national STI programmes and applications
 - Using and managing of the RTI Fund (appr. 200 M EUR/year)
 - Co-ordination of bilateral international R&D co-operations
 - Representation of Hungary in international organizations and in EU R&D programmes (7th RTD Framework Programme)

„Mind to Market”

- **Knowledge Hungary**
 - Promoting the development of internationally competitive Knowledge and Innovation Centres (KICs)
- **Technology Hungary**
 - Supporting focused, **long-term strategic research** in promising areas: biotechnology, nano- and microtechnology, materials science and manufacturing, ICT, environmental technology
- **Enterprise Hungary**
 - Promoting commercialisation of R&D results and regional innovation
- **Co-operative Hungary**
 - Co-ordinating and supporting Hungarian participation in EU R&D programmes and projects; promoting project-based bilateral scientific and technology co-operations

- Internet services and applications penetrated into all aspects of everyday life: businesses, work, research and education, amusement, media, etc.
- The Internet have become a mission critical backbone of the Information Society

but

The Internet is on the verge of paradigm shift that is forced by embedded deficiencies of the technology and the increasing user needs!

- **G-LAB (German Future Generation Internet Research Platform)**
- **RNRT (French Research network for Technological Innovation)**
- **ICT SHOK (Finnish Future Internet Research Programme)**
- **Ambient (Sweden)**
- **Internet del Futuro (Spain)**
- **AKARI Project (Japan)**
- **GENI (USA)**

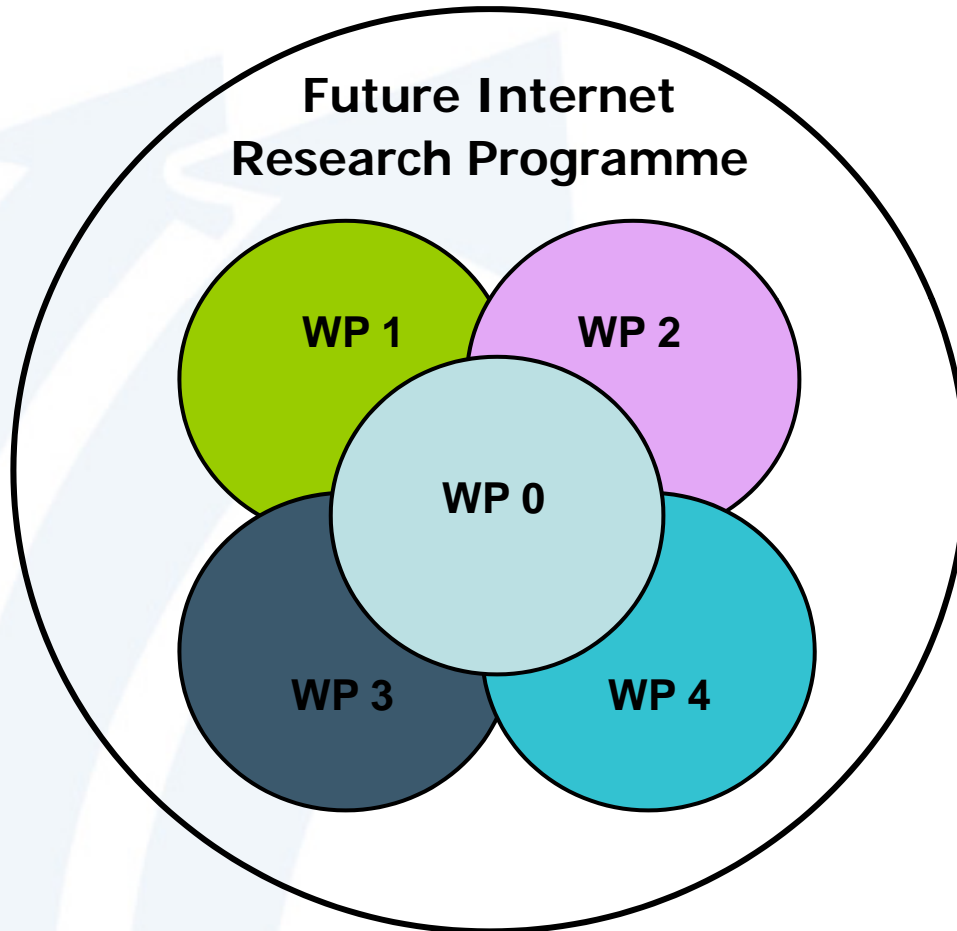
- **Bled Declaration on Future Internet (March 2008)**
 - Vital to continued growth in Europe
 - Addressing the challenges through collaboration & co-operation
 - Call for European action towards the Future Internet
- **FIRE Initiative (10 September, Paris)**
 - Experimentally-driven research on new paradigms and advanced networking
 - Large-scale experimental facilities
- **The Internet of Things (6-7 October, Nice)**

- **Testbed and experimentation, Internet measurements (ELTE)**
- **Theory of large networks (ELTE)**
- **Intelligent networks (MTA SZTAKI)**
- **New Internet architectures and protocols (ETIK)**
- **Complex networks (BME TMIT)**
- **Mobile Internet and ad-hoc networks (BME MIC)**
- **Heterogenous networks (Bay Zoltán Foundation, IKTI)**
- **New services and virtual technologies (NIIF)**
- **Network security (BME)**
- **Socio-economic aspects of the Internet (ELTE)**

- Hungary supports the EU initiatives on FI and wish to promote its institutions and researchers to join the EU research projects
- NKTH is planning a National Research Programme for supporting Future Internet research in Hungary
- General goals of the Programme:
 - Concentration of the financial and human resources
 - Focusing the R&D activities on the fields related to FI
 - Coherent and integrated research projects
 - Long-term financing (RTI Fund) of the R&D activities
 - EU and international cooperations in Future Internet research and experimentation

The National Research Programme on Future Internet:

- **should be adjusted to the EU initiatives and R&D programmes (e.g. FIRE)**
- **should aim at world level R&D activities**
- **doesn't have to cover all research areas, but should comprise focus points where we will be able to achieve good results**
- **should help our institutions and researchers to participate in EU R&D programmes and projects**
- **should integrate local research groups that are active in Future Internet research**
- **has to involve enterprises**
- **should encourage technology transfer and exploitation of the research results**



Planned projects

- WP 0 Coordination
- WP 1 Tesbeds
- WP 2 New architectures and protocols
- WP 3 Complex networks
- WP 4 Traffic analysis and network management
- WP 5 Mobile Internet
- WP 6 Security
- WP 7 Internet mathematics
- WP 8 Internet of things
- WP 9 Socio-economic issues

- **Basic document – Research programme on New Generation Internet (NIIF)**
- **Expert Group with international professionals**
- **R&D Strategy for Future Internet research in Hungary**
- **Choosing the focus areas (WPs) of the Research Programme**
- **Announcement of the Support Programme**
- **Submission of the project proposals on the different WPs**
- **Selection and financial support of the research projects**
- **Control and integration of the research projects (Programme Committee)**
- **International co-operations (eg. FIRE, Fireworks, etc.)**
- **Dissemination of the research results**

Thank you!

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