



HAKOM



FER

Overview of Looking to the Future project

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- Introduction
- Project structure
 - ❖ Topics
- First year of the project
- Specific topics of the project
 - ❖ Regulatory aspects of NGN
 - ❖ Interconnection models
 - ❖ NGN investments
 - ❖ DD
 - ❖ IPv6
- Conclusion

- What is „Looking to the future“?
 - ❖ Multidisciplinary research project
- Contract signed in late 2010
- Who is involved?
 - ❖ HAKOM
 - ❖ Faculty of Electrical engineering and computing, Zagreb
 - ❖ Faculty of Electrical engineering, Mechanical engineering and Naval architecture, Split
 - ❖ Faculty of Electrical engineering, Osijek
 - ❖ Faculty of Economics and Business, Zagreb
 - ❖ CarNET
 - ❖ Industry – Ericsson Nikola Tesla and Nokia Siemens Networks
- Aim of the project – to prepare participants for challenges in the near future.

- Topics:
 - ❖ General topics
 - ❖ Specific topics

- One team for every topic!
- Results are presented in quarterly reports.
- Steering committee monitors project work.
- Two time frames:
 - ❖ 1 – 3 years: market and regulation
 - ❖ 5- 10 years: technology and investment
- Project of wider social significance.

- General topics:
 - ❖ Development of electronic communications up to 2020
 - ❖ Next generation networks and services
 - ❖ Theoretical principles of NGN regulation
 - ❖ Infrastructure building

- Specific topics:
 - ❖ BB access in mobile and fixed networks
 - ❖ Development strategies (infrastructure)
 - ❖ Development of IP based services – VoIP and IPTV
 - ❖ IP-based interconnection
 - ❖ Digital dividend

- Focused on development of NGN and services.
- Subprojects:
 - ❖ Architecture of Next Generation Networks
 - ❖ Mobile network technologies
 - ❖ Optical transmission network
 - ❖ Broadband access networks in rural areas
 - ❖ Digital television
 - ❖ Digital radio
 - ❖ Value added services

- Specific topics over the first year:
 - ❖ Regulatory aspects of Next generation networks
 - Interconnection models
 - Radio frequency spectrum management policy
 - Investments and costs of NGN
 - ❖ Use of digital dividend for new services
 - Auction mechanisms
 - ❖ Introduction of IPv6 protocol
 - ❖ Network neutrality

- Project is dynamic.
- Topics are updated every quarter.
- Project is open to everyone!



Thank you!