

TiViT

Future Internet Program 2008 – 2012
Final Seminar 30.5.2012

Opening

Reijo Juvonen
Focus Area Director
Nokia Siemens Networks

Tivit Future Internet Program



Vision: Future Internet = a mission critical backbone of global information society

Mission: Enhance the Internet technology and ecology as a *platform for innovation* while providing strong governance over the use of the network resources and information

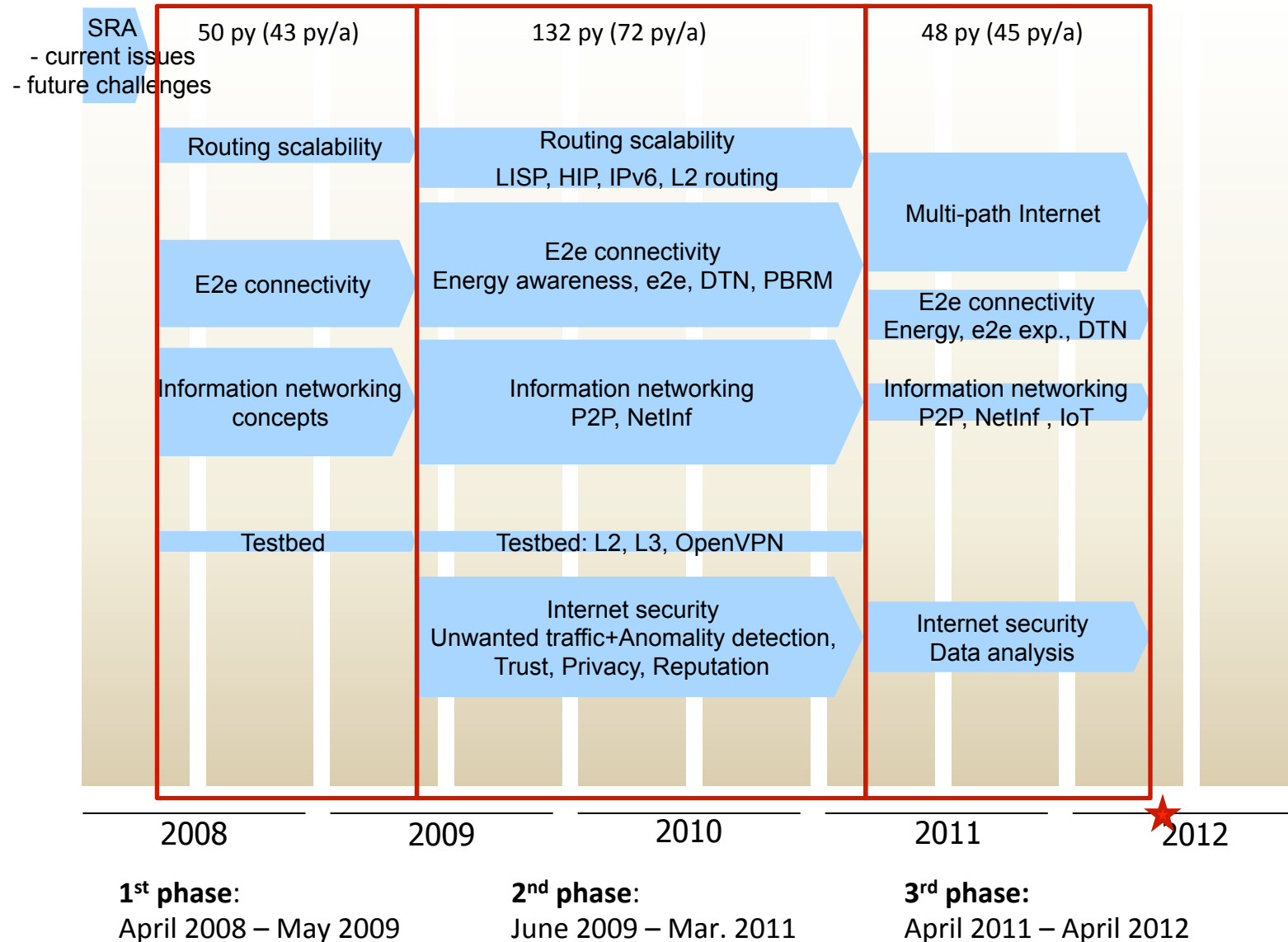
4 yr Strategic Research Agenda



Partners:

CSC – IT Center for Science, Cybercube, F-Secure, Ericsson, Nokia, Nokia Siemens Networks, Stonesoft, TeliaSonera Finland, Aalto University, Universities of Helsinki, Jyväskylä, Oulu and Turku, Tampere University of Technology, VTT Technical Research Centre of Finland, Tivit

Grand picture of the program



Communication services value net = ecosystem to utilize the results

A?



UNIVERSITY OF JYVÄSKYLÄ



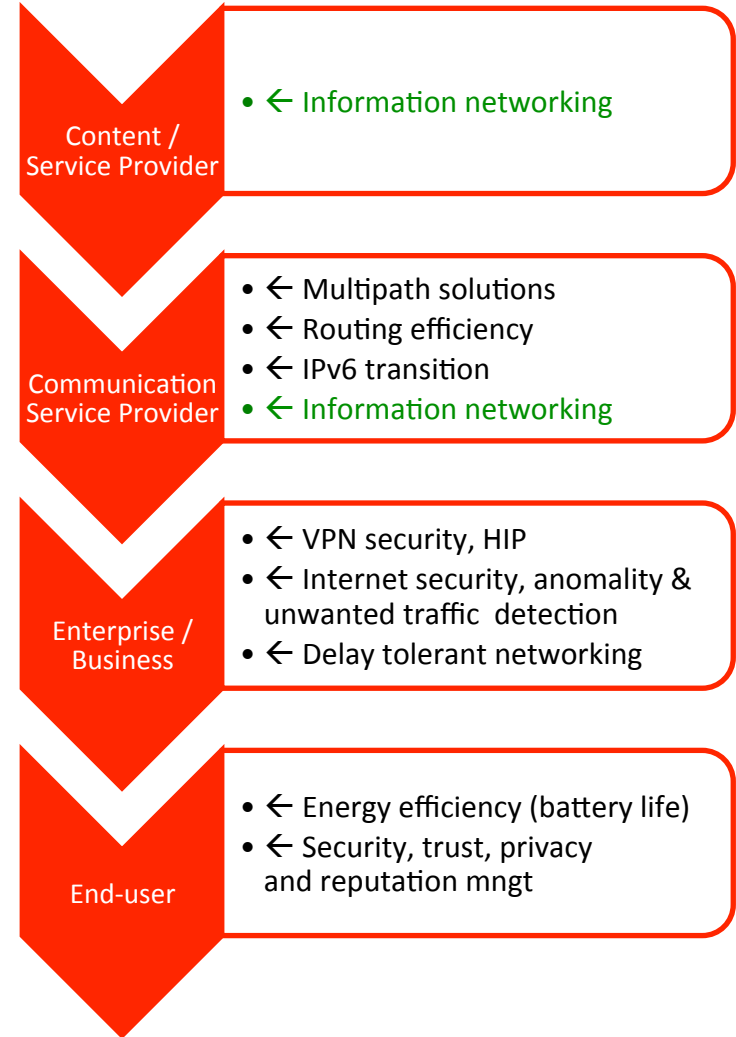
UNIVERSITY of OULU
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UNIVERSITY OF TURKU



• Evolution + **revolution**



Research → Standard (IETF) → Product / Service

Impact of the Future Internet Program

- Direct channel for applying research results in the products and solutions of the participating companies
 - Main achievements
 - Strong impact and contribution to standardization: IETF, IRTF and 3GPP
 - Thorough understanding on energy consumption in wireless Internet communications
 - Information networking concepts and pilots presented at high level international fora
 - Unwanted traffic, botnet & anomaly detection algorithms for products
 - Strong interaction with the European research activities
 - Research impact
 - Total number of publications: 260
 - 160 conferences/journal papers, 50 standards contributions , 50 theses: 50 (14 PhDs)
 - Open source software packages: 12
 - Input to new Tivit programs: Internet of Things; Data to Security (in preparation)
 - National impact
 - Improved national cooperation between partners: more power to continue the Finnish momentum
 - Increased competitiveness of the participating companies and research institutes in the fast developing Internet platform business and research
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Program

Time	Topic	Presenter
9:00	Opening	Reijo Juvonen, FI FAD, NSN
9:15	Keynote	Martti Mäntylä, CSO, EIT ICT Labs
9:45	WP1 Multipath and routing evolution	Hannu Flinck, Janne Tervonen, NSN Nuutti Varis, Aalto
10:30	Break + demos & posters	
11:00	WP2 End-to-end connectivity	Johanna Nieminen, Nokia Jukka Manner, Aalto
11:45	WP3 Information networking	Jaime Jimenez, Jimmy Kjällman, Ericsson
12:30	Lunch break + demos & posters	
13:30	WP6 Security	Alexey Kirichenko, Orestis Kostakis, F-Secure Kristiina Karvonen, HIIT
14:15	Socio-economics cross-issue	Tapio Levä, Aalto
14:35	Bread + demos & posters	
15:05	Panel 'Is the future now?'	Raimo Vuopionperä, Ericsson; Markus Isomäki, Nokia; Jonne Soinen, Renesas Mobile; Hannes Tschofenig, NSN
16:05	Closing	Pauli Kuosmanen, CTO, Tivit
16:20	End of program	



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Thank you!

www.futureinternet.fi