



# BONE Major Achievements

## WP01: Dissemination & Outreach

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### WP Objectives

WP01 is the workpackage responsible for disseminating the information, technical results and scientific work progress of the NoE while facilitating the smooth integration and spreading of excellence. More specific objectives of WP01 are:

- To disseminate information concerning the research and integration activities of the NoE and spread excellence to other European institutions and industry.
- To reach out to young people and explain the purpose and challenges of optical networking and encourage them to consider careers in this area.
- To facilitate the integration and establishment of a strong trans-european collaborative institutional framework, enabling expert groups to effectively collaborate on key topics of common interest.
- To develop a common roadmap representing the Network views on the evolution of optical networks and their role in the Network of the Future

### Major progress during BONE-project

The main focus of work within WP01 related to the integration of technical results from the technical work-packages to support the building of a roadmap, in addition to dissemination and outreach activities.

- Roadmap development and dissemination: A roadmap methodology was developed and the BONE Roadmap “ICT BONE views on the Network of the Future: the role of optical networking” was established with contributions from many WP leaders. The roadmap represents a consensus on the role of optical networks in future networks and was based on surveys used to collect data on existing and emerging services and access technologies across Europe.. The roadmap itself was based on a realistic network dimensioning exercise involving the application of the collected data to a Network Planning Tool resulting in scenarios for future bandwidth requirements.. Together with the expertise of the WP leaders and the work carried out in their WPs, projections of the impact of growth on the various network segments was performed and an overall image of the Network of the Future was established. Finally an ECOC booth roadmap questionnaire and online survey were utilised to test the validity of specific assumptions. Roadmap related results were published: ICTON2010 (Germany), APC 2010 (China), OFC 2011 (USA), together with journal joint paper accepted at IEEE/OSA JOCN.
- Outreach activities: Promotion of industrial workshops and school events within BONE - 3 industrial workshops and more than 10 School events were organized. For the school events special deliverables were dedicated to the design and delivery of the first pilot school event at University of Essex, that was carried out with great success while special material that accompanied the event was delivered and available for reuse. The results were disseminated through the project via posters and videos which were distributed or presented at various occasions. Ten similar school events followed this pilot one.
- 18 international workshops were organized – one was WP01 specific: “Building the Future Optical Network in Europe: Key final outcomes of the EU BONE project” organized by UoEssex in conjunction with ONDM 2011. Also dissemination material was presented at various occasions and invited presentations were promoted.
- Write up, editing and distribution of the Newsletter, website updating and maintenance and updating of the public event calendar
- Development of travelling presentation to support BONE industrial events and other dissemination material (posters etc)
- Regular dissemination activities: BONE booths were organized at 6 major events throughout the project



- Promotion of procedures for event evaluation that would bring added value to BONE, reporting and follow up of BONE supported and organised events

### ***Added value of the BONE NoE***

ICT BONE WP01 facilitated the integration of the European optical networking community into a pan-european Virtual Centre of Excellence, as it disseminated the results of its research both inside the NoE and also externally to a wider audience. The high level of technical excellence and professionalism of each partner greatly helped WP01 to support the dissemination of their research, which in turn promoted integration. The strong collaborative framework established within the consortium, which today comprises a community of its own, assisted greatly in the recognition of this NoE as the European Network of Excellence on Optical Networks. The collaboration and integration is evidenced by more than 700 papers published throughout the duration of the project, a number continuously increasing with the momentum of the integration amongst the partners.

WP01 also facilitated dissemination of the technical work of the consortium to other European organisations (eg collaborating partners, European institutes outside the consortium, European industry in the area of optical communications etc) and also international institutes and other IST and ICT projects with similar or complementary scope.

Finally the effort expended on the outreach activity to younger generations of pupils/students in order to raise awareness of optical networking and engineering in general are hoped to have a long term impact, as this is vital for Europe to maintain its leadership in the are of optical communications.