

COST Action no. IC1105

2012 | 2016

## 3D-ConTourNet

3D Content Creation, Coding and Transmission over Future Media Networks

### Objectives

- To develop coordinated research and collaboration across different countries in the field of interactive and immersive 3D multimedia networking.
- To establish a common platform for scientific networking between complementary research teams, covering the whole chain of 3D multimedia services and applications.
- To carry out coordinated research, taking into account interaction between different technology elements for the benefit of the end-user experience.
- To timely identify and tackle the most relevant research issues worldwide, increasing the number of young researchers involved in R&D activities at European level.

### Working Groups

- WG 1: 3D Content Creation (technology evolution, context-aware 3D audiovisual capture, augmented reality, applications scenarios, entertainment, social media, education).
- WG 2: 3D Media Coding (standards and beyond).
- WG 3: 3D Content-aware in ubiquitous Networking Environment (network architectures and protocols, QoS.QoE optimisation, adaptation for internetworking).
- WG 4: 3D QoE-QoS Evaluation (perceptual metrics in 3D networked video, QoS-QoE mapping).
- WG 5: 3D End-User Devices (technology evolution, 3D Displays, user quality perception)
- WG 6: Next Generation 3D Multimedia.

### Main Achievements

- Networking within the Action has started in this first year with the WG meetings. The number of participating COST countries was increased from 19 to 24 plus 2 non-COST countries. A total of 52 institutions are currently participating in the Action.
- A total of seven STSMs is to be accomplished until the end of the first year. Six ESRs, two women and one PhD student were involved in these missions.
- Two Training Schools were organised within the scope of the Action: one in Tampere, entitled "3D Media Technologies, User Experience and Computational Architectures" and the other in Sundsvall, entitled "Plenoptics 2013". Over seventy five trainees from fifteen countries attended the Schools.
- A book on "3D Future Internet Media" is to be published by Springer. The Editors and most authors are Action participants from different countries.
- Two Workshops and two Industry Panels and several special sessions were organised..
- A joint PhD supervision was started, an FP7 Marie Curie action, several national projects, and joint papers

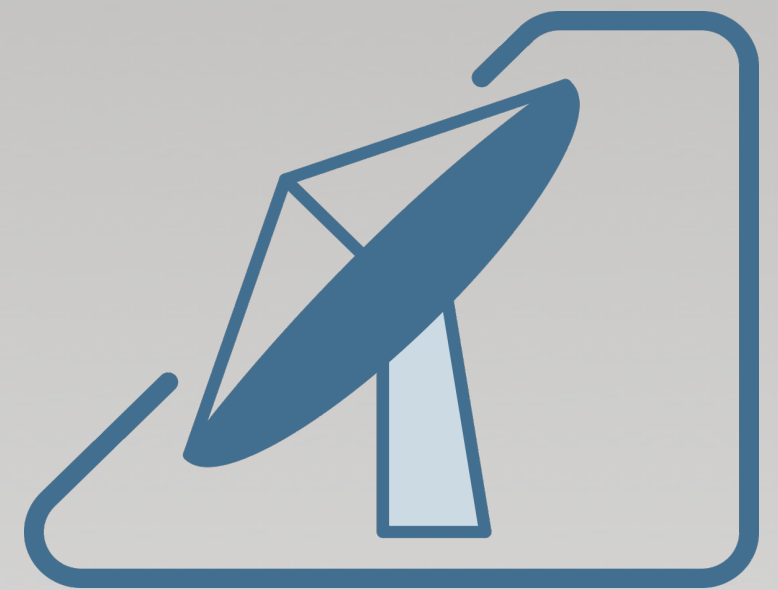
### Gender Balance and Early Stage Researchers

- Objectives: Promotion of women and ESR in the Action activities
- Status: 15% of the total number of participants are female and 41% are ESR.
- Foreseen Support Measures: Increase the percentage of women participating in the Action by improving awareness of the benefits in their participation and promote more active involvement of ESRs through STSM and joint research.

### Dissemination

- Workshops at NEM-Summit 2012 and IEEE ICC 2013; Industry panel at IEEE ICC 2013, contribution to standards MPEG; Web site, Springer Book, Technical/scientific papers.

Information and  
Communication  
Technologies  
(ICT)



Participating countries: 24

CY, DE, DK, EL, ES, FI, FR, HR, HU, IE, IL, IT, MK, MT, NL, NO, PL, PT, RO, RS, SI, SE, TR, UK

Internat. Collaboration:

AU, BR

### Contact details

Chair of the Action

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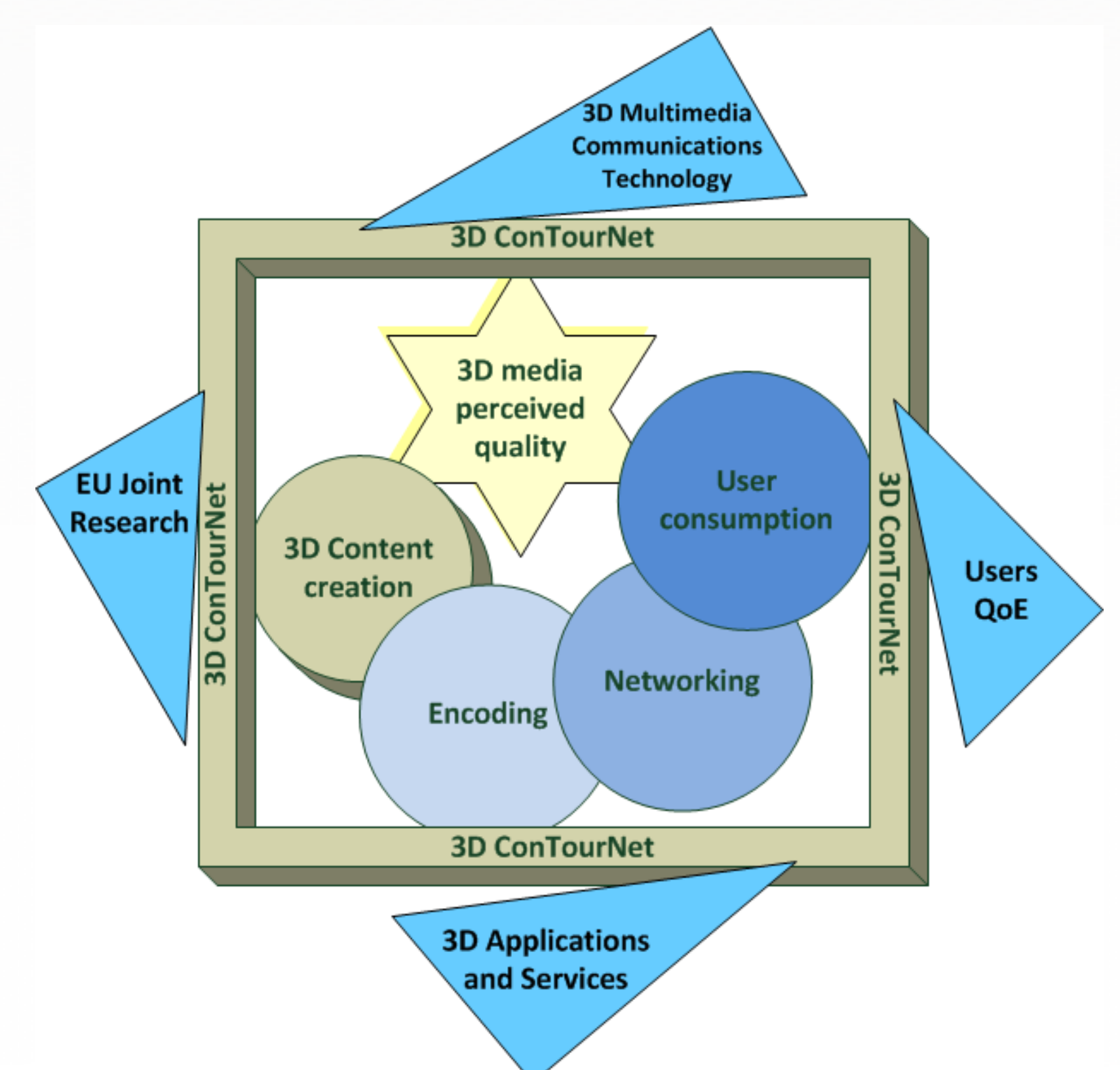
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Context and scientific scope



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