

COST Action IC1003 - QUALINET

European Network on Quality of Experience in Multimedia Systems and Services

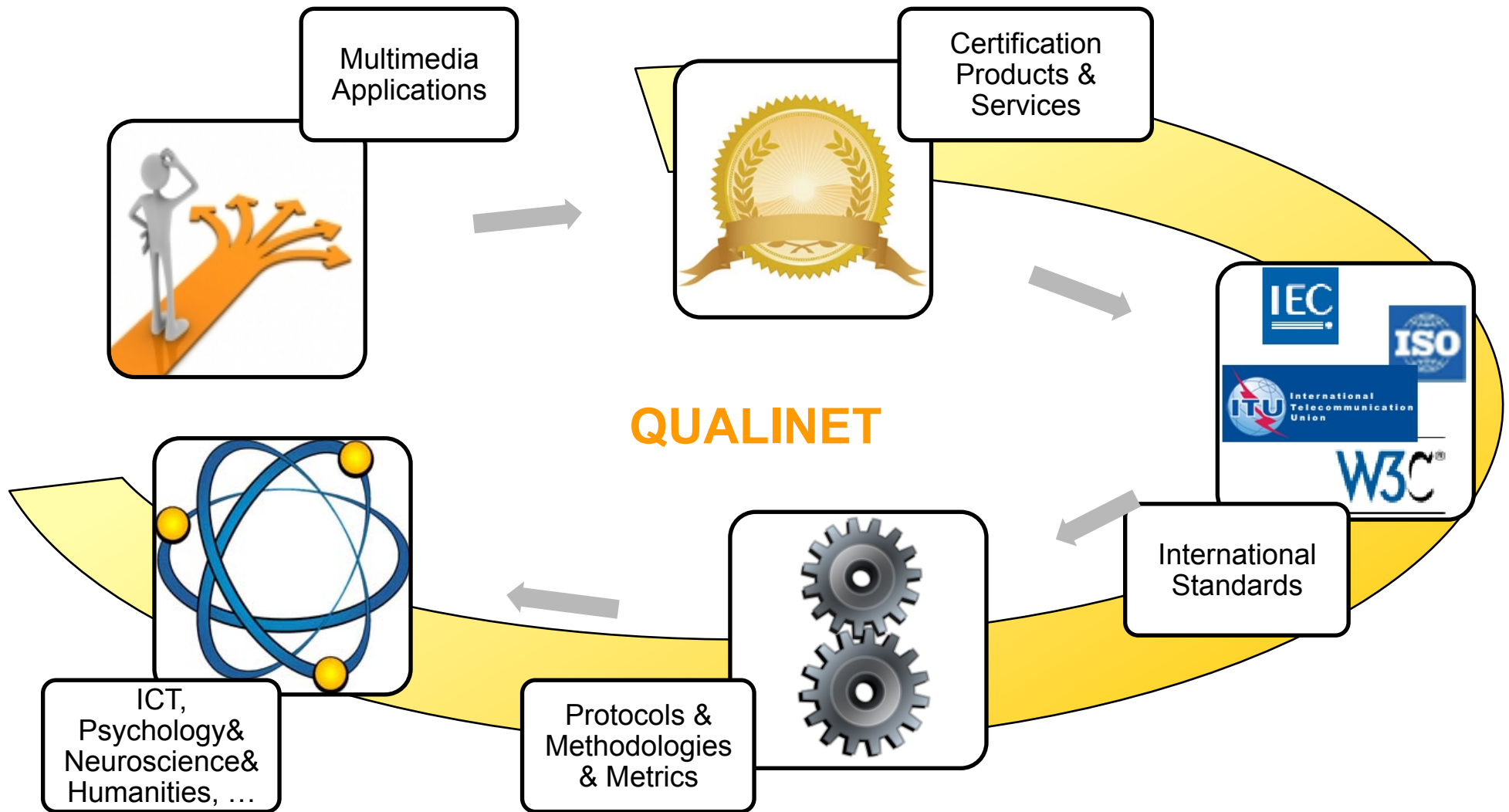
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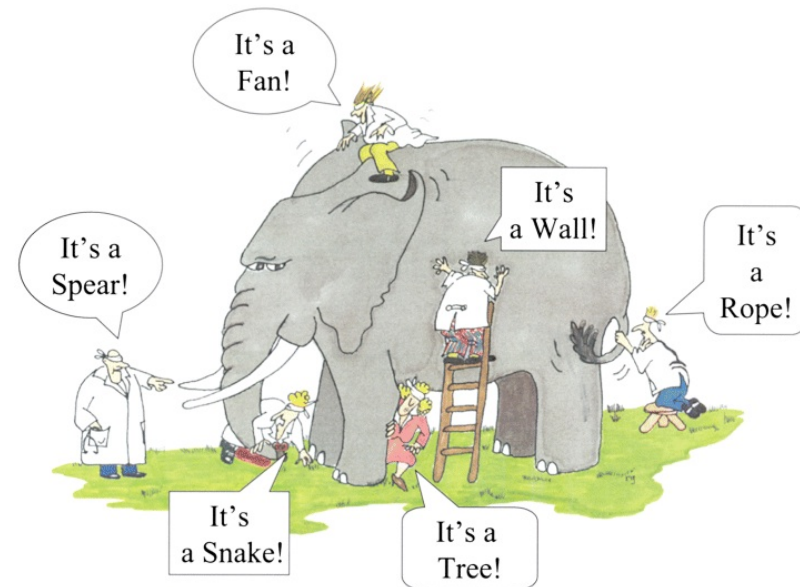


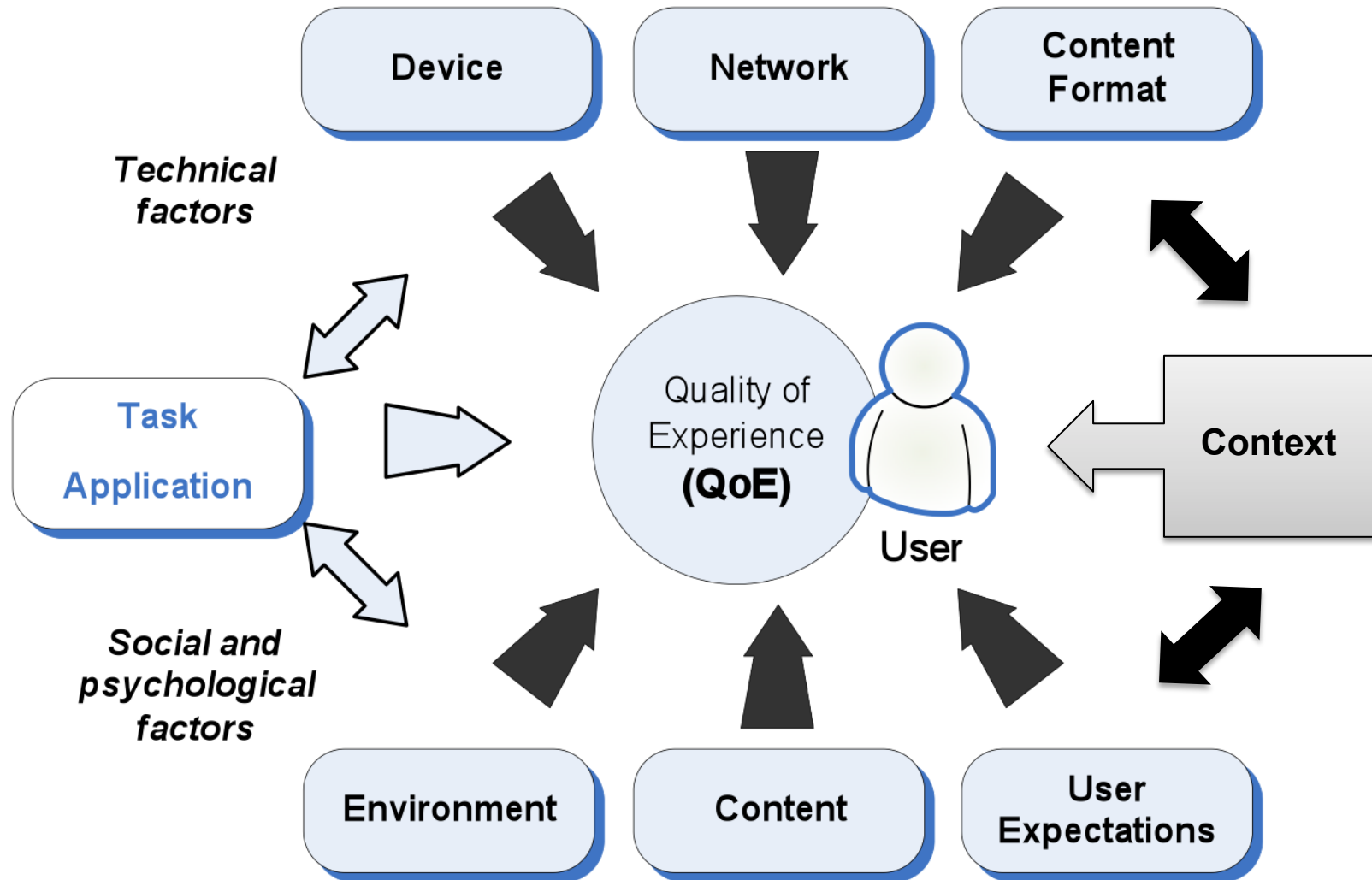
QUALINET in a nutshell



- Era of **user-centric multimedia** has already begun
 - It is not anymore sufficient to merely add new features and functionalities to multimedia systems
 - True added value in terms of impact on user's experience of such features and functionalities should be demonstrated
 - **Quality of Experience** plays a central role in this new game

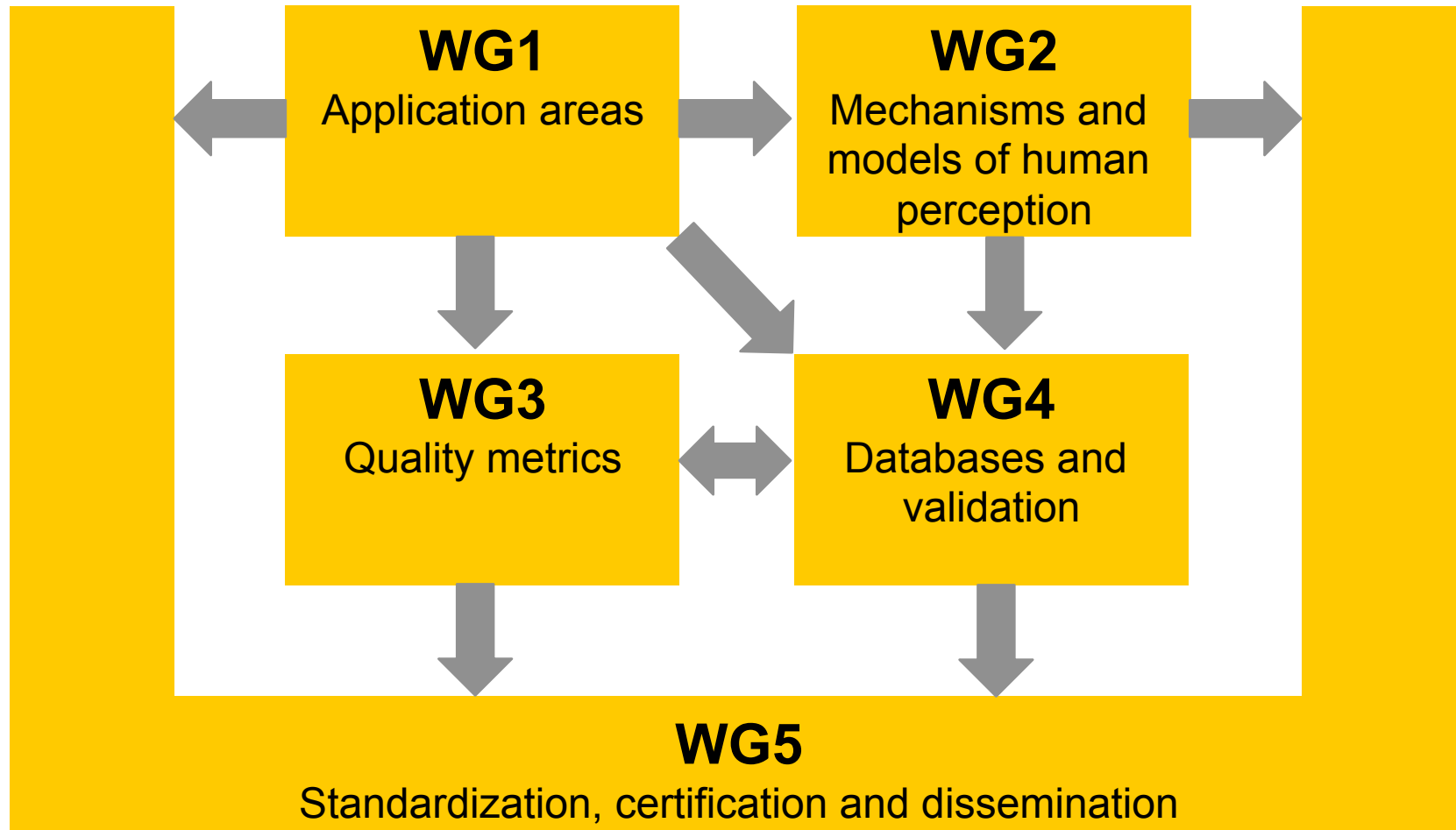
- Easy to understand by humans, but difficult to **define** and to **model**
- A **fundamental concept** but still **under-investigated** and **misunderstood** concept

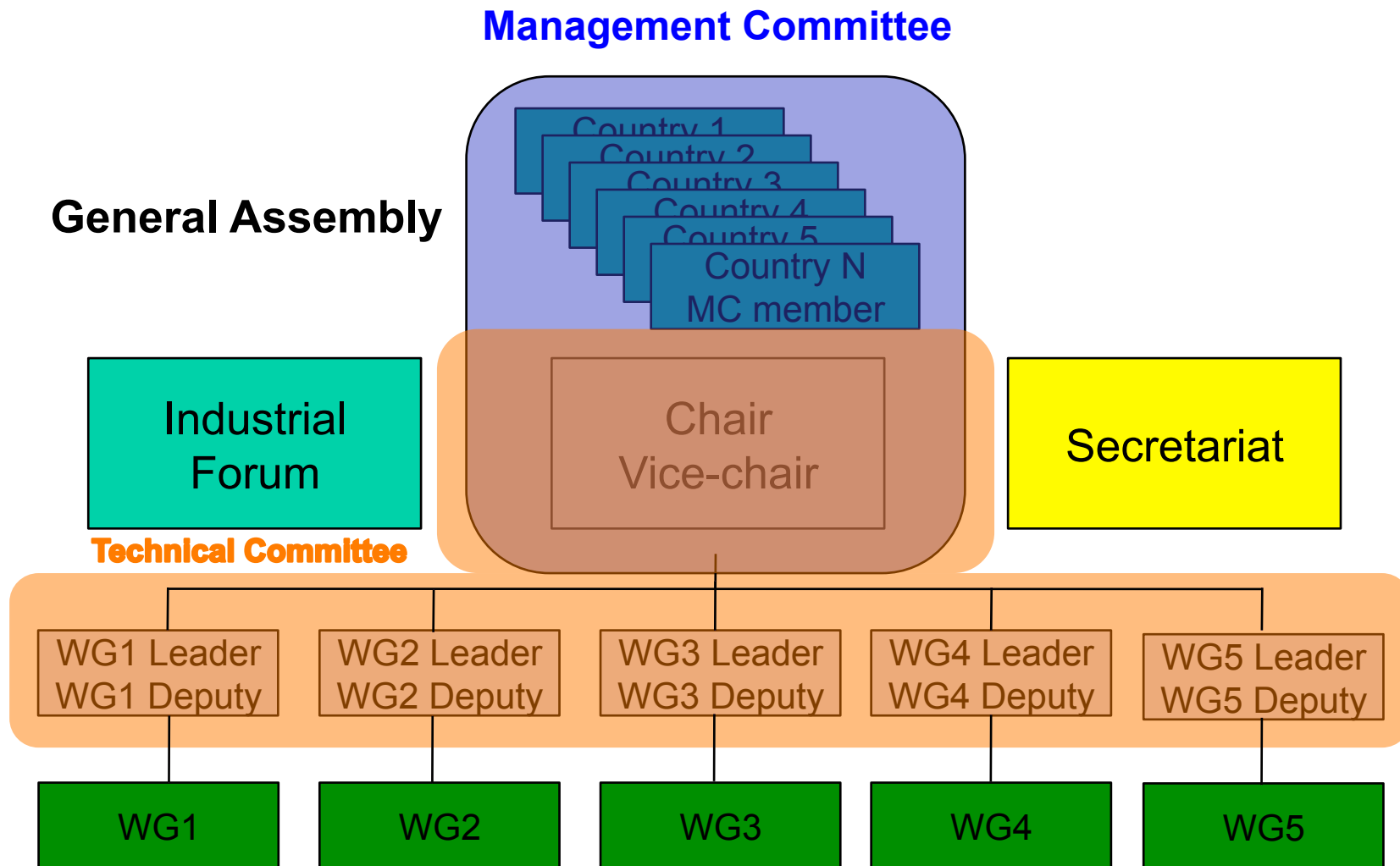




- Some key issues in QoE need to be better addressed
 - **Content**-dependent quality assessment methods and metrics
 - **Context**-dependent quality assessment methods and metrics
 - Quality assessment methods and metrics **beyond AV** (haptics, ...)
 - **Multi-modal** quality assessment methods and metrics (AV, ...)
 - **3D** quality assessment methods and metrics (3D sound, 3D video, ...)
 - **HDR** content quality assessment methods and metrics
 - **Interaction** quality metrics (closely related to **usability**)
 - **Presence/immersion** quality metrics
 - ...
- Endorsement by **International Standards**
- **Quality Certification Mechanisms** of multimedia services and products
 - Similar in the idea to **ISO 9000** series

- **Coordination** of **multidisciplinary QoE research** in **Europe**
- Strengthening **dissemination** efforts through already **established**, and **new initiatives** (QoMEX, special events, books, journals, ...)
- Strengthening **interaction** between **academia** and **industry** (industrial forum, STSM, ...)
- Strengthening **educational efforts** in QoE (summer schools, Ph.D. events, exchange of young researchers with STSM, ...)
- **Coordinated contribution** to **international standards** (ISO, ITU-T, VQEG, ...)
- Coordination between multimedia **evaluation laboratory clusters** at partner premises (**cross-validation**, reference laboratories...)
- **Study** and **initiation** of **certification mechanisms** for multimedia products and services (pilot projects with industrial partners, ...)
- **Creation** of a **sustainable** QUALINET beyond the period of funding





14 partners from 8 countries

Dialogic

QUALCOMM



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QUALINET consortium

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