

Proposal for a session at the Future Internet Assembly

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| Subject: Future Content Networks Caretakers: Norbert Niebert (4WARD), Carmen Guerrero (CONTENT) |
| Scope (Max 5 lines text): A Future Internet will be driven by new demands. Content delivery is one area where the Internet of today has proven its transport capability but not shown that it could deal with content in any sensible way (mounting problems like SPAM, inefficient overlays, unauthorized usage, etc.). Which network supported content distribution and management mechanism would lead to a win-win situation and what are the impacts (on user-ISP contractual agreements, social contract between public-private sphere, etc.)? A Future Content Aware Internet has to offer benefits to both content owners (commercial as well as user provided content), network operators and content users. Such network capability, provided in a reliable and cost-effective manner, would directly contribute to the competitiveness of the European economy. |
| Initiator domain: Network of the Future |
| Priority from the originator domain: High |
| Duration of the parallel session: ~2.5 hours |
| Other domains required to participate and how: <ul style="list-style-type: none">• Security, Privacy, and Trust: Embedded mechanisms will be required that enable the advanced network functionality. These require proper identity management, encryption and filtering techniques among other from this area.• Content: The more media related projects usually demand too little from the networking infrastructure with respect to content delivery support. This may lead to scattered and inflexible solution especially w.r.t. wireless and mobile resource usage optimization. |
| Some possible endorsement/support from other domains: NEM, eMobility This session should be done jointly with the task force Future Media and 3D Internet which has a subgroup on media aware networks |

Projects involved: CONTENT, 4WARD, EIFFEL, CHIANTI, E3, ...

Duration of the session:

1. Overview of other EU funded work in the area (involved projects) (5 * 15 min talks + discussion)
2. Initial proposal for a research programme / white paper contents (30 min)
3. Panel on a Future Content Network "The mediation and involvement expected from the Future Internet infrastructure vs. end-systems/host in delivery and management of content" (45 min)