

Un'architettura per la produzione automatizzata di contenuti crossmediali e la distribuzione multicanale

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AXMEDIS Objectives



AXMEDIS is a R&D IP project of the European Commission

- Performing research on enabling technologies to allow
 - reduction of distribution and aggregation costs for content production and management
- New models, methods and tools for content production, protection and distribution

Major needs and technical goals:

- Supporting interoperability among different
 - content formats
 - distribution channels (TV, PDA, mobile, kiosks, satellite,..)
 - DRMs (digital rights management model) (e.g., MPEG-21, OMA, etc.)
- Supporting massive processing for content production and distribution (on demand), license processing, event tracking, protection, tracking and DRM
- Enforcing flexibility in business and transaction models
- Integration and Harmonization of DRM in B2B and B2C areas
- Modeling secure/legal P2P content sharing for both B2B and B2C
- Expanding MPEG-21 standard

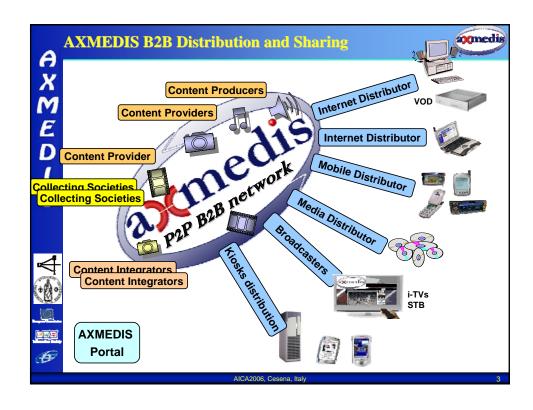
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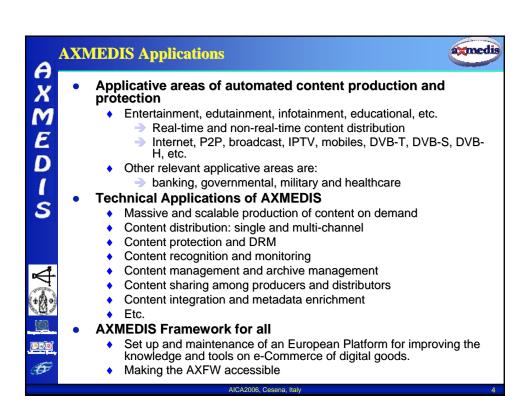
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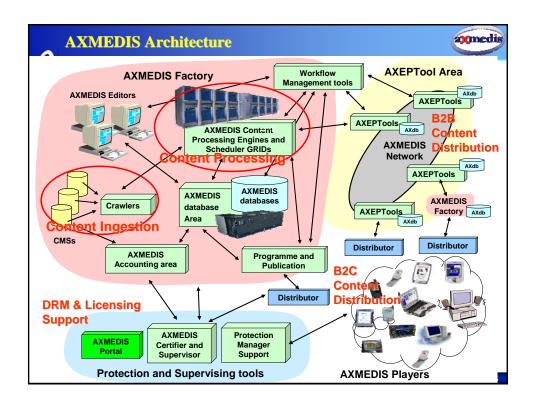


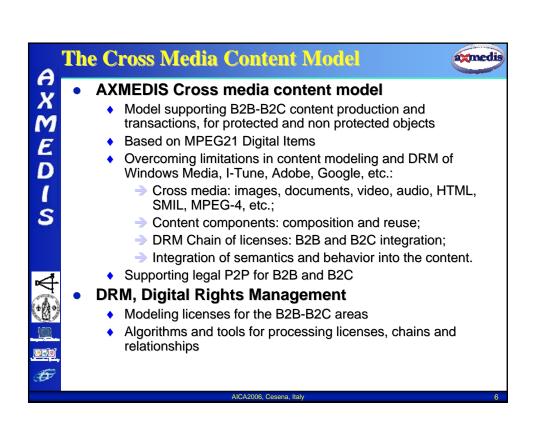
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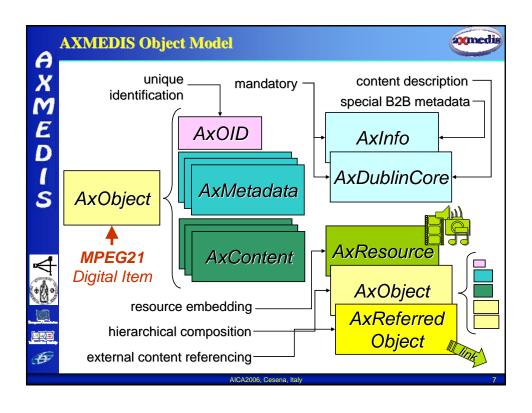
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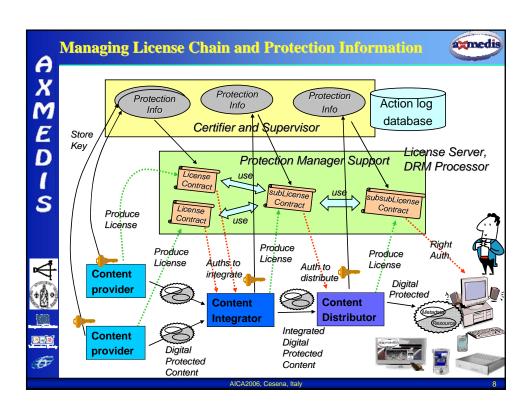












The Content Processing • Automating back office cont



- Automating back office content production/protection and distribution
 - Open, secure and scalable architecture for content processing, GRID
 - Language for content processing and GRID
 - Uses plugins for content adaptation/transcoding for multi-channel production, fingerprinting, processing profiles, etc.
 - Algorithms for automated formatting of content: SMIL, style, Genetic Algorithms
- Automating massive processing, applications
 - For the on-demand problem:

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- Adaptation, transcoding, processing,
- Advertisement insertion
- Managing profiling (user device, network, etc.), etc.
- Multi-channel distribution:
 - multiple interoperable DRMs, license chain processing/reasoning
- Content recognition for monitoring
 - broadcast and networks,
 - P2P, Web sites, etc.

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