

PTIN - CURS 2012/2013



OASIS

**Open Access System to
Internet Media Services**

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The Team

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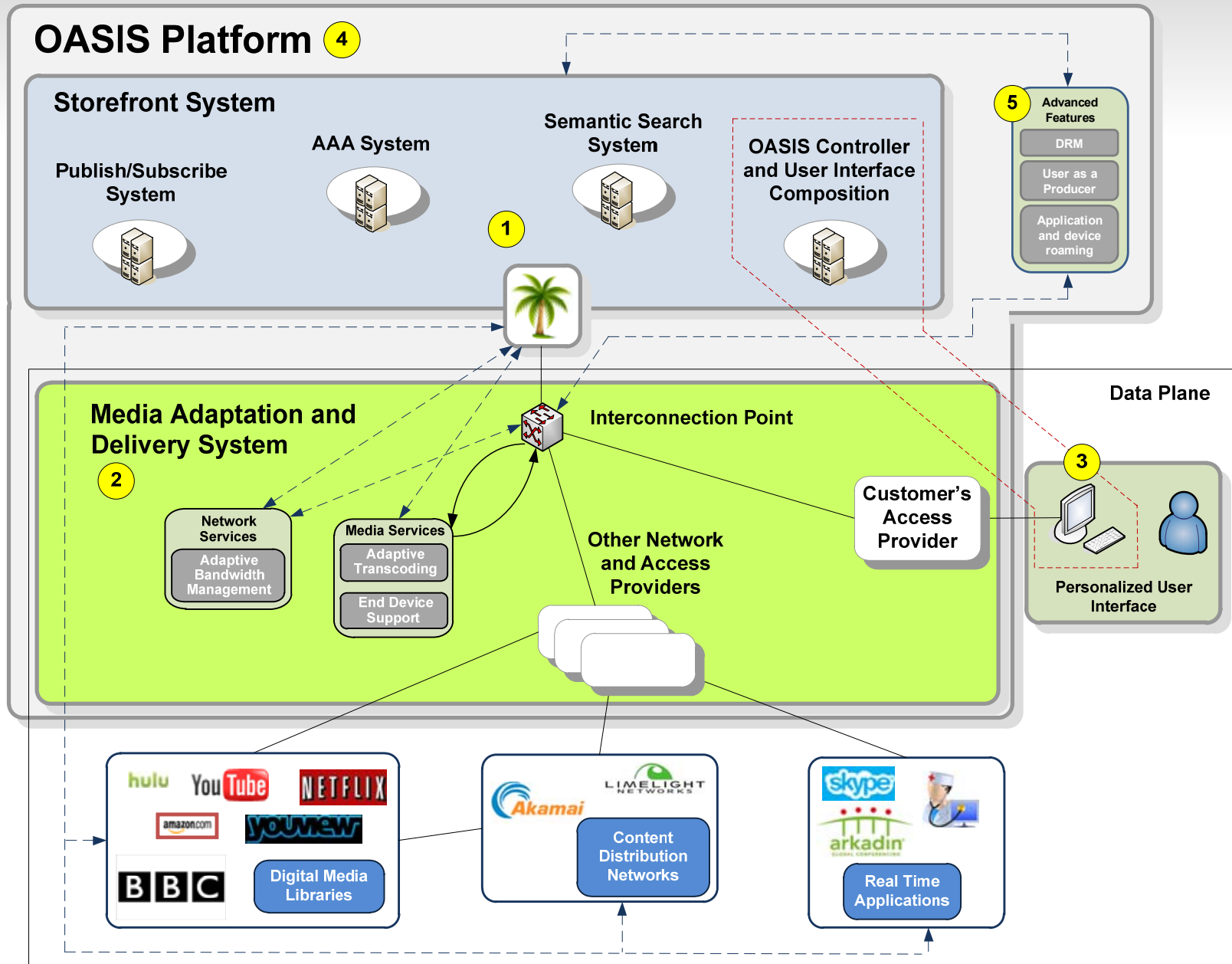
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Building blocks: Actors, Components & Features



Teaming and Business Alliances

		Entity	Role
1	Storefront System	Our role	Publish/Subscribe, AAA, and System Integration
2		Search Engine and Tools	Semantic Search System
3		Networking and Communications Infrastructure	OASIS Control Plane Communications and Protocols
4	Media Adaptation and Delivery System	ISP 1 (Our customer)	Customers, XP, Data Plane Communications and Protocols including the access network, transport, etc.
5		ISP 2	Customers, XP, Data Plane Communications and Protocols including the access network, transport, etc.
6		Media Services	Adaptive Transcoding, Media and End Device support
7	User Interface	Personalized User Interface	User Interface Composition and Personalization
8	Business	Consulting and Advanced Features	Sustainable Businesses, DMR, etc.

Subject to: NDAs, Consortium Agreements including contracting and subcontracting, Technology Transfer, IPRs, licensing and exploitation rights, or combinations of these latter.

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State-of-the-Art (SoA)

Network Access and Platforms (3-play, IPTV, VoD,...): Netflix, Hulu, AppleTV, YouView, ...

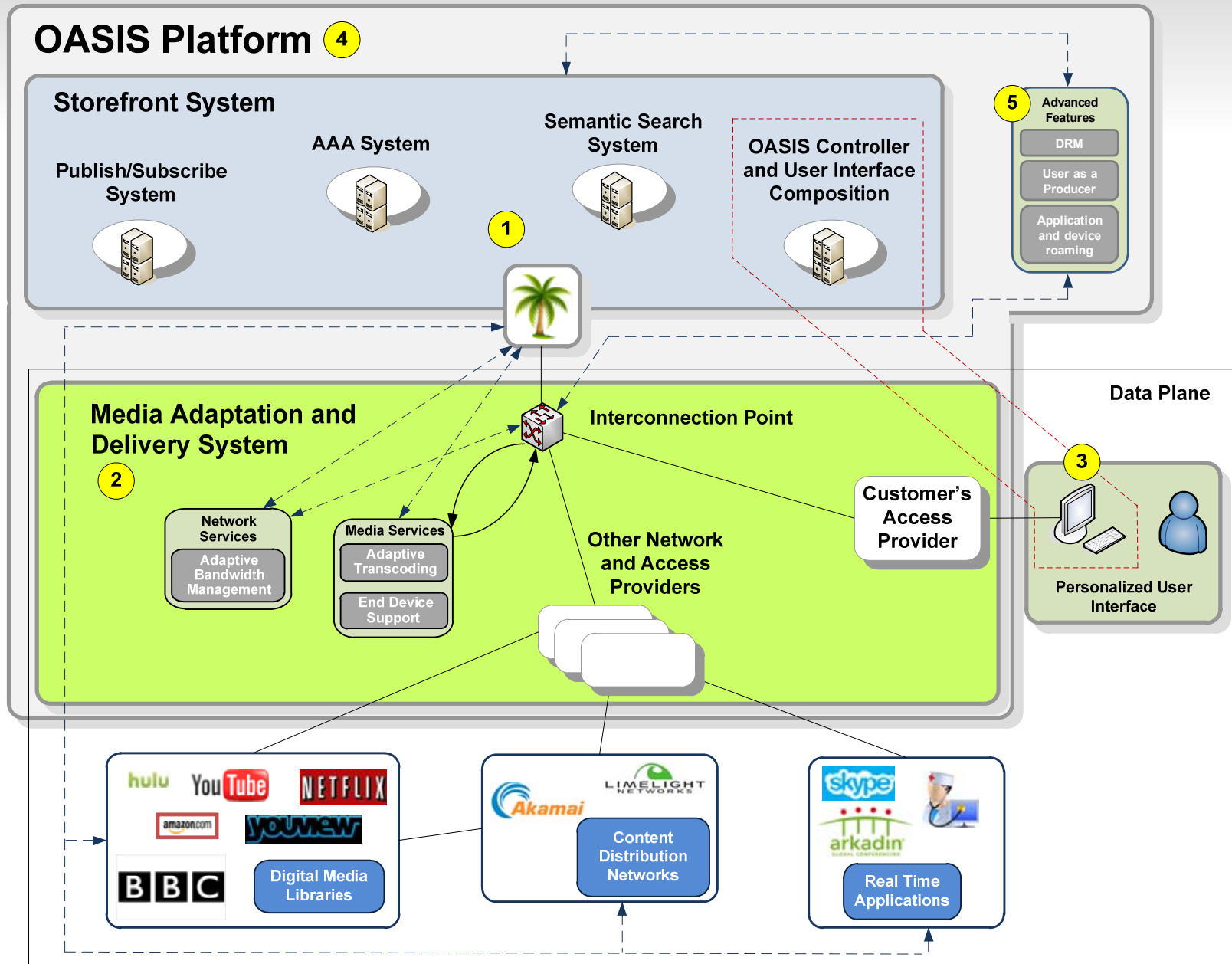
Media Processing Techniques and Tools

Content discovery, search and consumption

... avoid reinventing the wheel

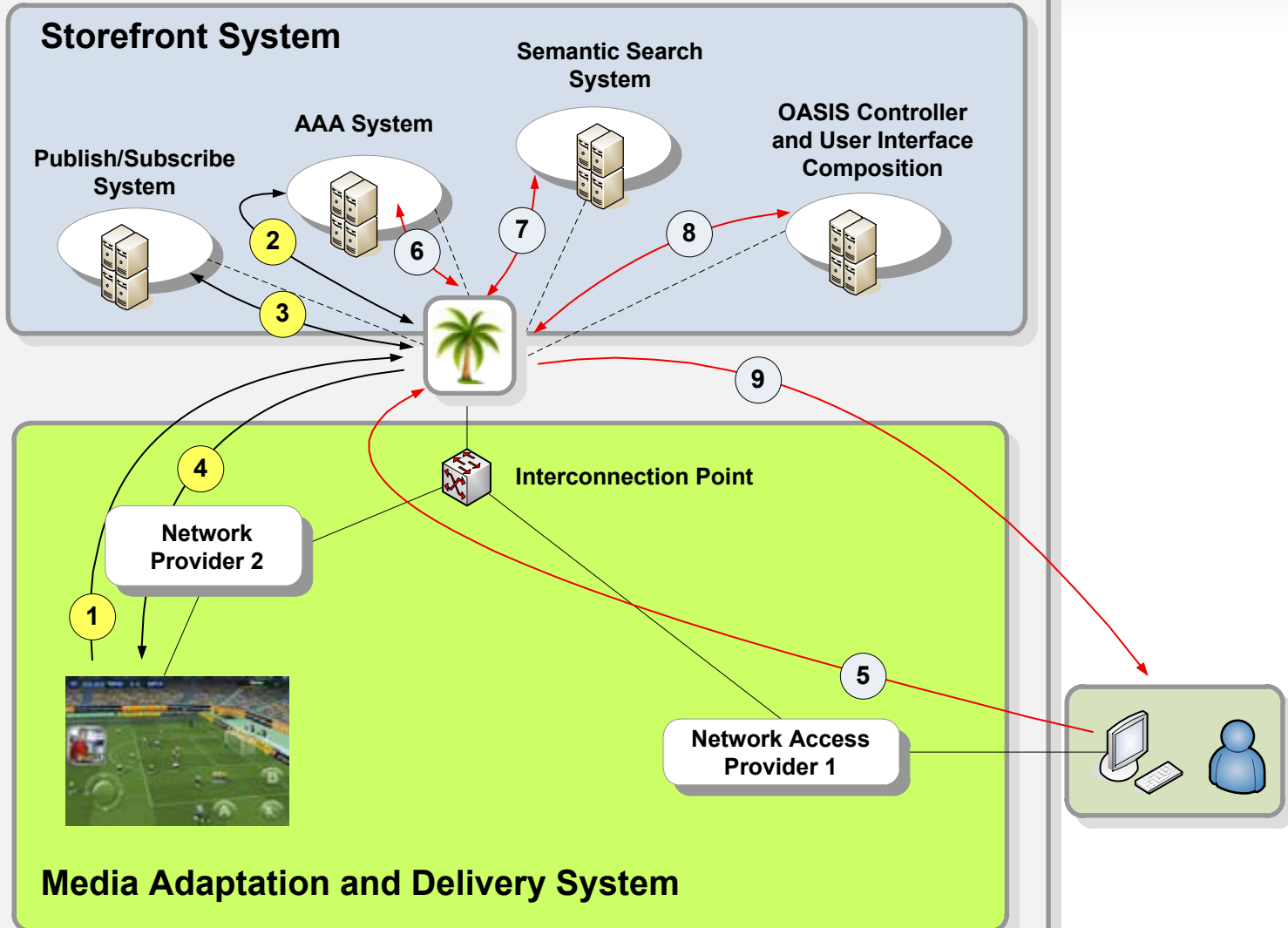
.....though first check: IPR including rights for using, exploiting, and licensing, and aspects such as closing the code,

Selecting technologies for each building block



Selecting technologies for each building block

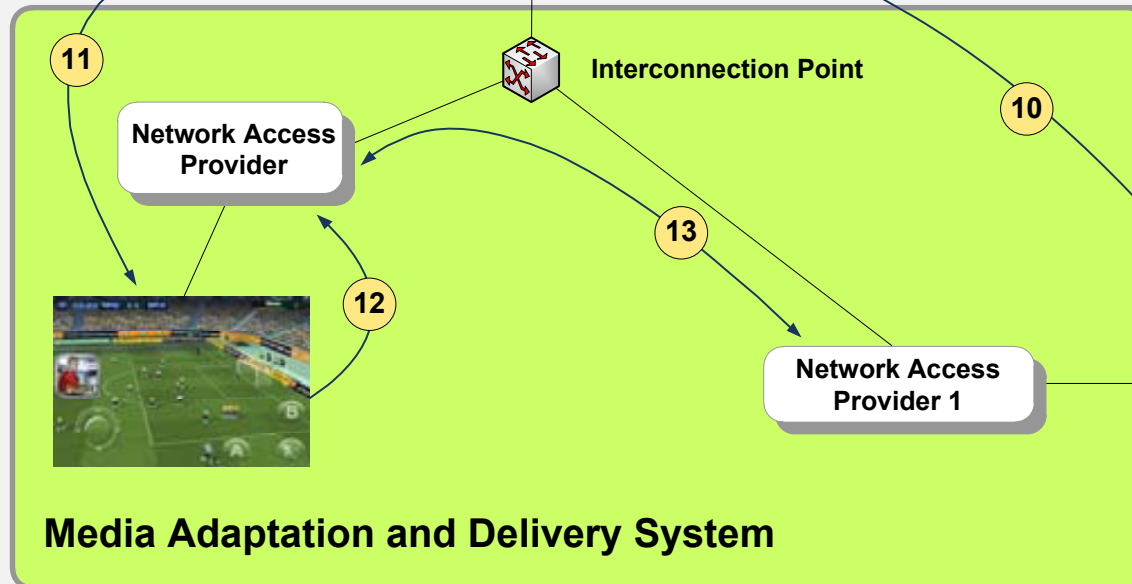
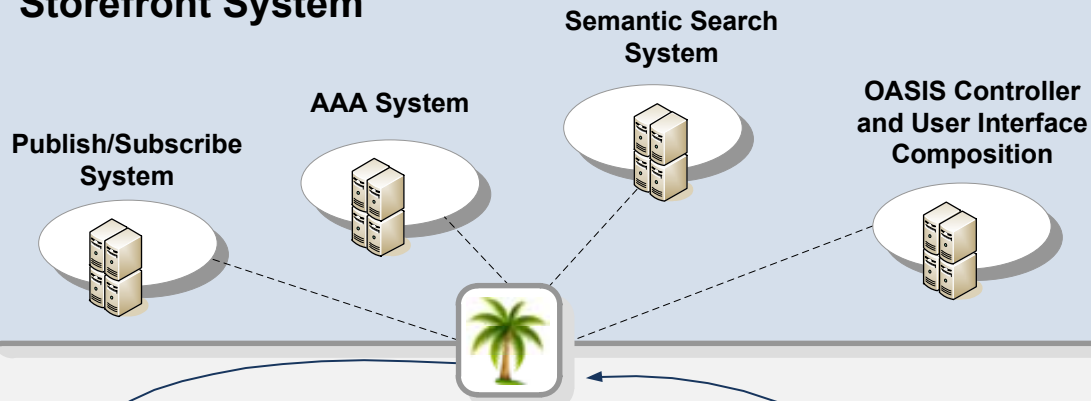
OASIS platform



Selecting technologies for each building block

OASIS platform

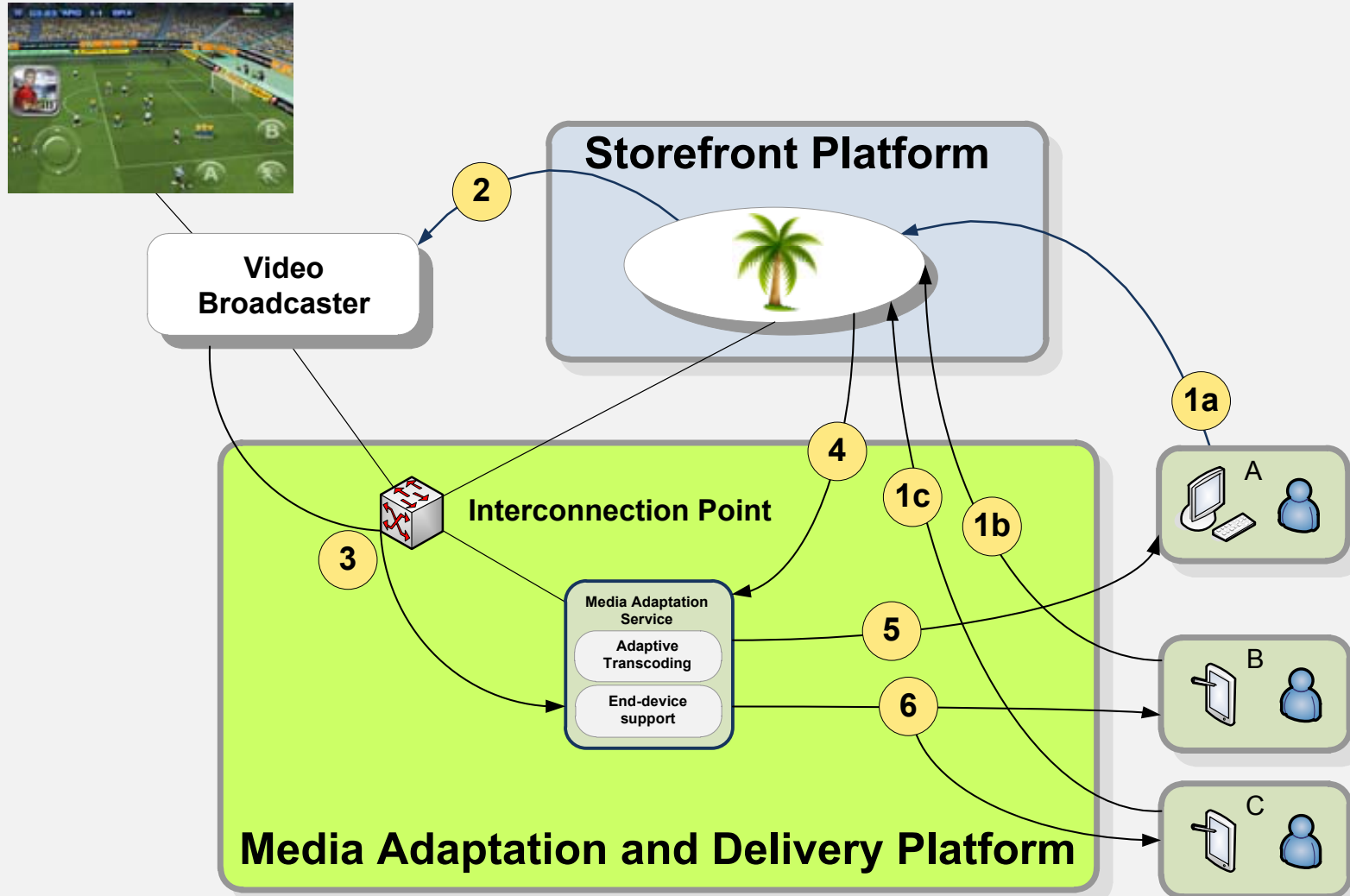
Storefront System



Media Adaptation and Delivery System

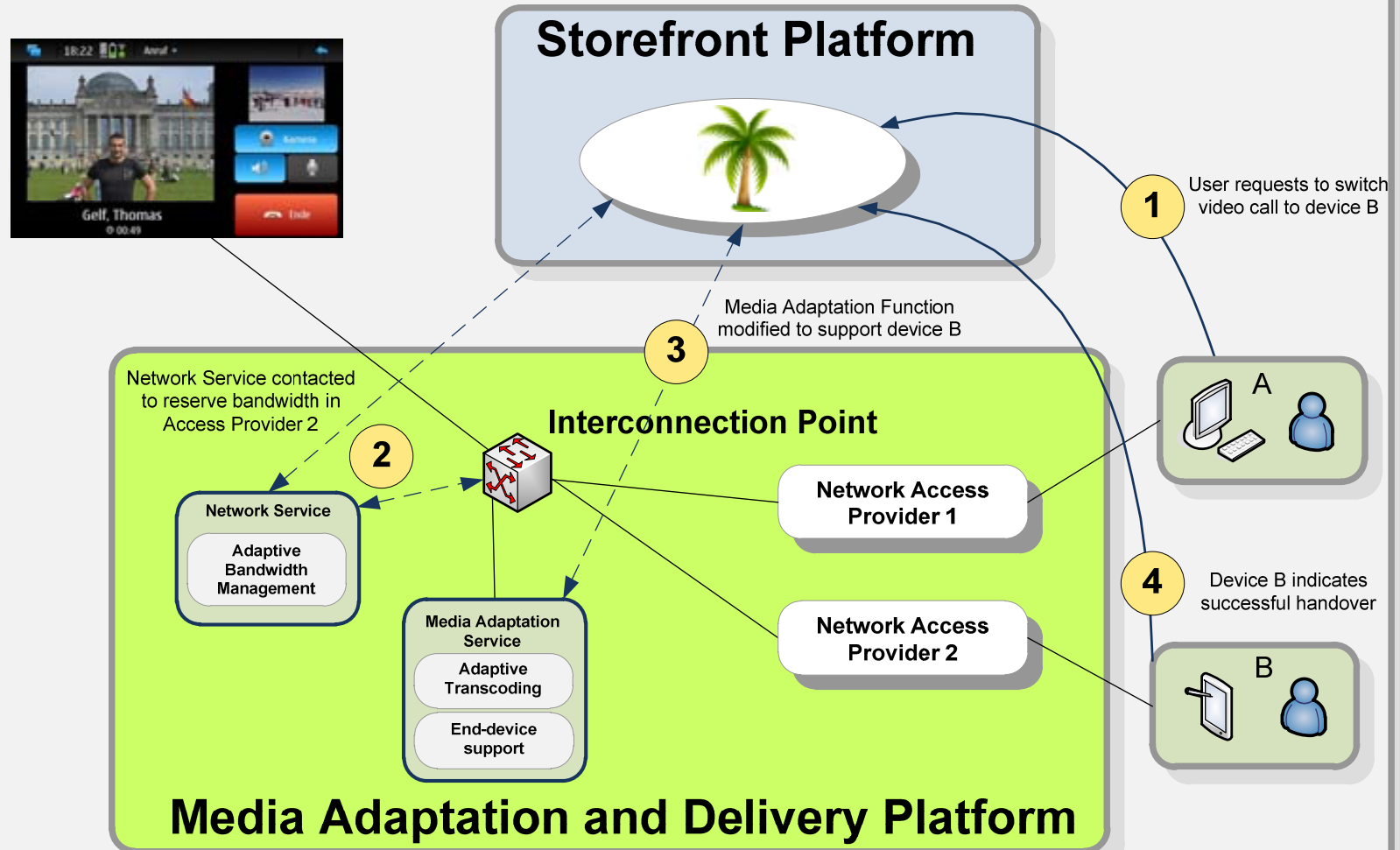
Selecting technologies for each building block

OASIS



Selecting technologies for each building block

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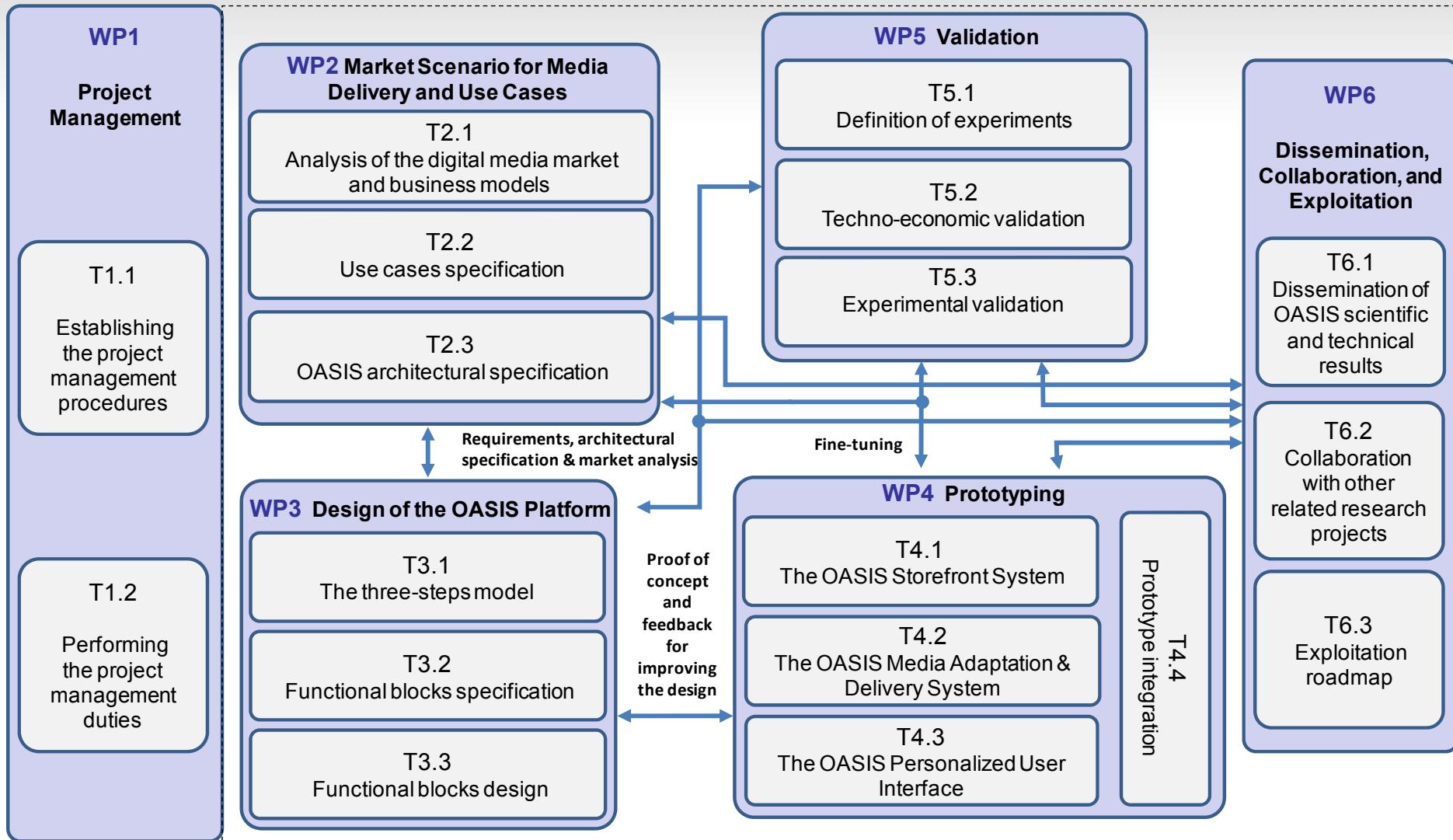
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Implementation

Work Packages (WPs)

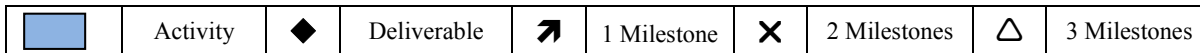
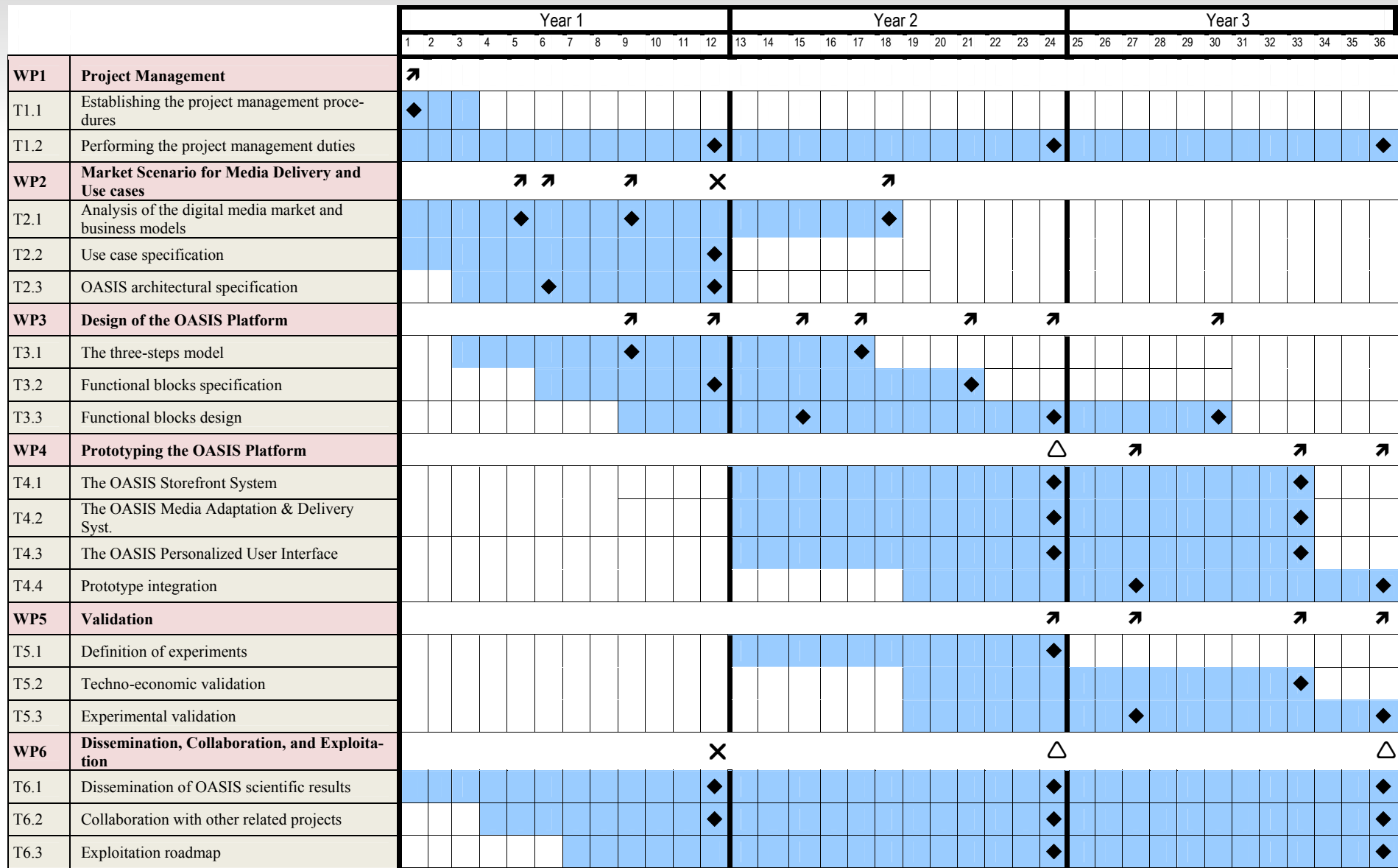
WP #	WP Title	Leading Entity	Start Month	End Month	Effort
1	Project Management	Us	M1	M36	12
2	Market Scenario for Media Delivery and Use Cases	Business Consulting	M1	M18	46
3	Design of the OASIS Platform	Us	M3	M30	130
4	Prototyping the OASIS Platform	Us	M13	M36	156
5	Validation	ISP 2	M13	M36	89
6	Dissemination, Collaboration, and Exploitation	Us	M1	M36	28
TOTAL (nearly 13 people fully dedicated during 36 months)					461

PERT Chart



The three-steps model: 1) the offer; 2) the access to the offer; and 3) the delivery.

GANTT Chart



List of Deliverables

Del. no.	Deliverable name	WP no.	Delivery date
D1.1	Project Presentation	WP1	M1
D1.2	1 st Periodic Activity Report	WP1	M12
D1.3	2 nd Periodic Activity Report	WP1	M24
D1.4	Final Management and Activity Report	WP1	M36
D2.1.1	Specifications from the economical perspective. Internal report	WP2	M5
D2.4.1	Preliminary Report on the OASIS model architecture: Internal report	WP2	M6
D2.1	Report on architectural specifications from the economical perspective	WP2	M9
D2.4	Final report on the OASIS model architecture	WP2	M12
D2.2	Use cases specification	WP2	M12
D2.3	Report on new OASIS-oriented business models	WP2	M18
D3.1.1	Preliminary report on the OASIS three-step model specification	WP3	M9
D3.2.1	Preliminary report on the OASIS functional blocks specification	WP3	M12
D3.3.1	First preliminary report on the OASIS functional blocks design	WP3	M15
D3.1	Final report on the OASIS three-step model specification	WP3	M17
D3.2	Final report on the OASIS functional blocks specification	WP3	M21
D3.3.2	Second preliminary report on the OASIS functional blocks design	WP3	M24
D3.3	Final preliminary report on the OASIS functional blocks design	WP3	M30
D4.1.1	Preliminary report on the OASIS Storefront System prototype	WP4	M24
D4.2.1	Preliminary report on the OASIS Personalized User Interface prototype	WP4	M24
D4.3.1	Preliminary report on the OASIS Media Adaptation & Delivery System prototype	WP4	M24
D4.4.1	Preliminary report on integration and prototype refinement of the OASIS Platform: Internal report	WP4	M27
D4.1	Final report on the OASIS Storefront System prototype	WP4	M33

D4.2	Final report on the Personalized User Interface prototype	WP4	M33
D4.3	Final report on the OASIS Media Adaptation & Delivery System prototype	WP4	M33
D4.4	Final report on integration and prototype refinement of the OASIS Platform	WP4	M36
D5.1	Definition of experiments for the prototype validation	WP5	M24
D5.3.1	Preliminary report on the testbed description and experimental validation	WP5	M27
D5.2	Techno-economic validation	WP5	M33
D5.3	Final report on testbed description and experimental validation	WP5	M36
D6.1.1	First preliminary report on scientific dissemination	WP6	M12
D6.2.1	First preliminary report on collaboration activities	WP6	M12
D6.1.2	Second preliminary report on scientific dissemination	WP6	M24
D6.2.2	Second preliminary report on collaboration activities	WP6	M24
D6.3.1	Preliminary report on the exploitation plans for the OASIS Platform	WP6	M24
D6.1	Final report on scientific dissemination	WP6	M36
D6.2	Final report on collaboration activities	WP6	M36
D6.3	Final report on the exploitation plans for the OASIS Platform	WP6	M36

37 Deliverables!

List of Milestones

Milestone number	Milestone name	Work package(s) involved	Expected date	Means of verification
M1.1	Project Presentation and website structure	WP1	M1	Delivery of D1.1
M2.1	Internal report about the economical perspective	WP2	M5	Delivery of D2.1.1
M2.2	Internal report on the architecture specification	WP2	M6	Delivery of D2.4.1
M2.3	Architectural specifications from the economical perspective	WP2	M9	Delivery of D2.1
M2.4	Use cases specification	WP2	M12	Delivery of D2.2
M2.5	Final specification of the architecture	WP2	M12	Delivery of D2.4
M2.6	New OASIS-oriented business models	WP2	M18	Delivery of D2.3
M3.1	Preliminary analysis of the three-step model for OASIS	WP3	M9	Delivery of D3.1.1
M3.2	Functional blocks specification: preliminary approach	WP3	M12	Delivery of D3.2.1
M3.3	Functional blocks design: preliminary approach	WP3	M15	Delivery of D3.3.1
M3.4	Specification of the three-step OASIS model	WP3	M17	Delivery of D3.1
M3.5	Functional blocks specification	WP3	M21	Delivery of D3.2
M3.6	Functional blocks design: update	WP3	M24	Delivery of D3.3.2
M3.7	OASIS functional blocks design	WP3	M30	Delivery of D3.3
M4.1	Preliminary prototype implementation of the OASIS Platform	WP4	M24	Delivery of D4.1.1
M4.2	Preliminary prototype implementation of the Personalized User Interface	WP4	M24	Delivery of D4.2.1
M4.3	Preliminary report on the delivery system	WP4	M24	Delivery of D4.3.1
M4.4	Preliminary report on the prototype integration	WP4	M27	Delivery of D4.4.1
M4.5	Final prototype implementation	WP4	M33	Delivery of D4.1 and D4.2 and D4.3 and testbed running
M4.6	Report on the final prototype of the OASIS system	WP4	M36	Delivery of D4.4
M5.1	Report on the OASIS experimental plans	WP5	M24	Delivery of D5.1
M5.2	Preliminary report on the experimental validation	WP5	M27	Delivery of D5.3.1
M5.3	Report on the techno-economic analysis and validation	WP5	M33	Delivery of D54.2

M5.4	Final report on the experimental validation	WP5	M36	Delivery of D5.3
M6.1	Preliminary report on dissemination	WP6	M12	Delivery of D6.1.1
M6.2	Preliminary report on collaboration	WP6	M12	Delivery of D6.2.1
M6.3	New report on dissemination activities	WP6	M24	Delivery of D6.1.2
M6.4	New report on collaboration activities	WP6	M24	Delivery of D6.2.2
M6.5	Preliminary report on exploitation plans	WP6	M24	Delivery of D6.3.1
M6.6	Final report on scientific contributions and dissemination	WP6	M36	Delivery of D6.1
M6.7	Final report on collaboration activities	WP6	M36	Delivery of D6.2
M6.8	Final report on exploitation plans for OASIS solutions	WP6	M36	Delivery of D6.3

31 Milestones: We need means to confirm that the milestone has been attained (indicators). For instance: a prototype completed and running; software released and validated; a field trial, etc.

Summary of Effort and its Distribution

Entity #	Entity	WP1	WP2	WP3	WP4	WP5	WP6	TOTAL PMs
1	Us	12	13	28	36	32	26	147
2	Search Engine and Tools	0	6	15	24	6	0	51
3	Networking and Communications Infrastructure	0	4	18	34	6	0	62
4	ISP 1 (Our customer)	0	3	3	0	6	1	13
5	ISP 2	0	3	18	9	10	1	41
6	Media Services	0	6	18	25	17	0	66
7	Personalized User Interface	0	9	18	16	10	0	53
8	Consulting and Advanced Features	0	2	12	12	2	0	28
TOTAL		12	46	130	156	89	28	461