Optique™

Project N°:	**FP7-318338**
Project Acronym:	**Optique**
Project Title:	**Scalable End-user Access to Big Data**
Instrument:	**Integrated Project**
Scheme:	**Information & Communication Technologies**

Deliverable D12.3
Intermediate Project Report, Year 2

Due date of deliverable:	(T0+24)
Actual submission date:	November 25, 2014

SEVENTH FRAMEWORK
PROGRAMME

Start date of the project: **1st November 2012**   Duration: **48 months**

Lead contractor for this deliverable: **UiO**

Dissemination level: **CO** – Confidential, only for members of the

consortium (including Commission Services)

Executive Summary:
Intermediate Project Report, Year 2

This document summarises deliverable D12.3 of project FP7-318338 (Optique), an Integrated Project supported by the 7th Framework Programme of the EC. Full information on this project, including the contents of this deliverable, is available online at `http://www.optique-project.eu/`.

D12.3 provides a concise Y2 update of the status for Optique wrt. the objectives and tasks defined in the project management work package, WP12. More information is provided in the periodic M24 report.

List of Authors

Arild Waaler (UiO)
Jørgen Kirksæther (UiO)
Rudolf Schlatte (UiO)

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Project Status wrt. Objectives in Year 2

The Optique management work package WP12 has four objectives.

O12.1 *Periodic report and final report is delivered according to schedule*

O12.2 *Project tasks run according to schedule*

O12.3 *All scientific deliverables are delivered according to schedule*

O12.4 *Deviations are reported*

All these objectives have been met in Year 2, in particular:

- All scientific deliverables and the second-year prototype are delivered on time. A short deadline extension was approved by the Project Officer for deliverable reports D1.3, D8.2, D10.5 and D11.2. All reports are ready for the annual project review and include activities of M24.

- All tasks have been run according to the project plan.

- There are no delays from the work plan in Year 2. The project is ahead of schedule in several of the tasks, largely because the Optique partners successfully exploited synergies with other projects that they are engaged in.

This deliverable gives a short summary of the activities that have been carried out in WP12 in Year 2. The management section of the periodic report will contain more detailed information.

Status of Management Activities in Year 2

Main tasks according to Articles II.2.3 and Article II.16.5 of the Grant Agreement

- Coordination tasks performed according to GA II.2.3

  a) Financial contributions have been distributed to all partners in accordance with the grant agreement and the decisions taken by the consortium.
  b) Records are kept making it possible to determine at any time what portion of the financial contribution of the Union has been paid to each beneficiary for the purposes of the project.
  c) Reports have been reviewed to verify consistency with the project tasks before transmitting them to the Commission
  d) The compliance by beneficiaries with their obligations under this grant agreement has been monitored.

- Management tasks performed according to GA II.16.5

  - The consortium agreement was signed by all partners. So far there have been no updates.
  - By month 24, the following partners have accumulated costs exceeding 375K€, the level that triggers certificates on the financial statements: UiO, UOXF, UNIROMA1, FUB, FOP, DNV.

- Changes in the consortium
  Partner TUHH has moved to Lübeck. This move does not affect Y2, but will be effectuated from the start of Y3. There are no changes in the consortium besides this.

Task 12.1: Planning & Scheduling

▶ Task definition according to DoW

The objective [of Task 12.1] is to provide actual and accurate planning for the various planning exercises that need to be carried out. Activities to be performed in this task are: i) Create implementation plan, ii) collect input and needs for changes, iii) define and check consequences according to budget, scheduling and objectives, iv) arrange meetings with WP managers, v) prepare updated plans for final approval, vi) communicate updated plans with the consortium.

Progress

A key management task in Optique is the contineous monitoring, evaluation and adjustment of the implementation plan. This process starts each reporting period with a process in the consortium in which objectives for the period (ie. the next year) are compiled on the basis of:

- Deliverables and milestones for the period according to Annex 1

- The outcome of the last period's user evaluation and requirements gathering, reported in the yearly deliverable from WP1

- The recommendations from the review

- The objectives of the individual work packages

- A general consideration of the progress of the project

The process leads to a list of clear-cut overall objectives for the project as well as objectives pr. work package. Progress is discussed when compiling the activity report in the midst of the reporting period, as well as in the plenary meeting scheduled around the same time as the mid period report. Finally the progress is summarised in the periodic report when the reporting period is passed.

This task is further implemented via the monthly WP leader conference, which has a fixed schedule and agenda and leads to correcting and planning actions with the affected work packages.

In Y2 the task has been running smoothly and according to schedule.

Task 12.2: Progress & cost reporting

▶ Task definition according to DoW

The objective [for Task 12.2] is to establish a clear reporting structure and processes for the whole programme to the European Commission and for projects activities within the programme. Activities to be performed in this task are: i) Provide templates for the reporting instances to all concerned participants, ii) maintain a document repository for incremental reporting. iii) submit reports and cost claims on time and in the quality required, iv) create periodic reports (management, progress, dissemination, standardization, financial). Last, compiling the final project report, D12.5.

The task runs smoothly according to schedule.

Task 12.3: Quality assurance and risk management

▶ Task definition according to DoW

This task includes activities for quality assurance and risk management throughout the duration of Optique. Early in the project (M3), we will prepare the quality assurance and risk management plan of Optique. This deliverable will include procedures for quality assurance of project deliverables (documents and software) and allocation of responsibility for the implementation of these procedures. The plan is effective throughout the lifetime of the project, but is open to revision if necessary. Moreover, the plan will describe risk assessment and control procedures. Risk assessment will take place continuously throughout the project and will aim at identification of risks. Risk control will take all necessary actions to reduce the effect of risks. The procedures for risk management will be similar to the ones in the AS/NZS Standard 4360:2004, and we will make use of the EasyRisk Manager system for their implementation.

The task runs smoothly according to schedule.

Task 12.4: Scientific and technical coordination

▶ Task definition according to DoW

This task is peformed in close collaboration with Task 1.5.

This task is implemented through the monthly work package leader group call. Also, special working groups have been set up for the following tasks that cut across work packages:

- Querying over federated data sources

- Maintenance of ontologies for the use cases

- Cross-component optimisation of a tricky query from the Statoil use case

- The Optique Alpha package

The following meetings held in Year 2 were essential for the scientific and technical coordination:

- The project plenary meeting June 11–13, hosted in Rome by UNIROMA1. Among other topics, the project discussed and coordinated efforts in the areas of streaming architecture and ontology and mapping management and bootstrapping. On June 12 there was a full day work package leader meeting.

- The Optique Advisory Board meeting, held on November 21.

- The Statoil end user workshop September 29–30, hosted in Stavanger by Statoil.

- The Siemens end user workshop October 30, hosted in Oslo by Siemens.

Steps towards collaboration with other ongoing projects have been taken, and a joint meeting with the FP7 IP IQmulus will be scheduled in Y3.

# Use of Resources in Year 2

Overall resource spending

Effort in EUR
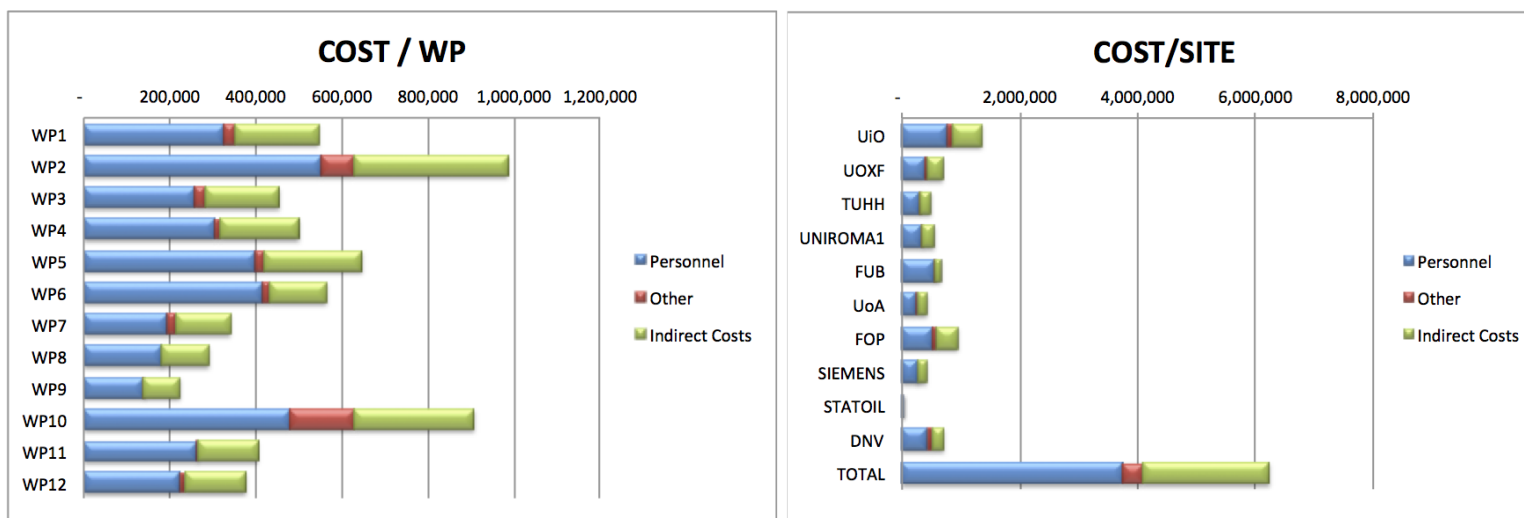
Personnel	WP1	WP2	WP3	WP4	WP5	WP6	WP7	WP8	WP9	WP10 RTD	WP10 OTH	WP11 RTD	WP11 OTH	WP12 MGM	TOTAL
UiO	54,545	40,944	91,375	67,716	-	-	-	-	26,378	36,676	-	19,792	-	102,625	440,051
UOXF	20,194	33,657	60,583	23,560	26,926	13,463	6,731	-	-	13,463	-	-	-	5,479	204,055
TUHH	8,188	18,490	-	6,224	90,092	-	18,908	6,050	-		-	-	-	-	147,952
UNIROMA1	-	10,344	-	69,331	13,907	34,510	17,883	-	-	15,971	-	3,347	-	-	165,293
FUB	11,377	19,277	-	13,129	57,488	138,012	-	-	-	17,535	8,728	-	-	-	265,547
UoA	18,837	4,800	-	2,400	29,217	16,800	87,637	-	-	4,500	-	4,500	-	-	168,691
FOP	7,048	161,223	2,984	-	-	-	-	23,046	14,850	50,164	-	48,614	-	-	307,930
SIEMENS	9,426	-	-	146	17,916	-	-	75,046	-	10,002	-	9,590	-	-	122,126
STATOIL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DNV	11,600	-	-	-	-	-	-	-	23,200	169,360	-	67,280	-	-	271,440
TOTAL	141,215	288,736	154,941	182,506	235,546	202,785	131,160	104,142	64,428	317,670	8,728	153,123	-	108,104	2,093,084

Optique Deliverable D12.3

Other	WP1	WP2	WP3	WP4	WP5	WP6	WP7	WP8	WP9	WP10 RTD	WP10 OTH	WP11 RTD	WP11 OTH	WP12 MGM	TOTAL
UiO	18,109.00	-	-	3,258.00	-	-	-	-	-	19,791.00	-	-	-	1,968.00	43,126.00
UOXF	-	-	15,529.81	1,205.66	-	-	-	-	-	5,249.96	-	-	-	-	21,985.43
TUHH	-	-	-	-	9,488.21	-	1,296.53	-	-	-	-	-	-	-	10,784.74
UNIROMA1	-	660.00	-	978.00	-	2,181.00	-	-	-	1,553.00	-	-	-	-	5,372.00
FUB	-	-	-	-	-	8,200.00	-	-	-	-	-	-	-	3,000.00	11,200.00
UoA	-	-	-	-	-	-	12,567.22	-	-	310.00	-	-	-	-	12,877.22
FOP	-	35,544.68	-	-	-	-	-	-	-	-	-	-	-	-	35,544.68
SIEMENS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STATOIL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DNV	-	-	-	-	-	-	-	-	-	63,159.00	-	-	-	-	63,159.00
TOTAL	18,109.00	36,204.68	15,529.81	5,441.66	9,488.21	10,381.00	13,863.75	-	-	90,062.96	-	-	-	4,968.00	204,049.07

Overhead	WP1	WP2	WP3	WP4	WP5	WP6	WP7	WP8	WP9	WP10 RTD	WP10 OTH	WP11 RTD	WP11 OTH	WP12 MGM	TOTAL
UiO	43,592	24,566	54,825	42,584	-	-	-	-	15,827	33,880	-	11,875	-	62,300	289,450.20
UOXF	12,117	20,194	45,667	14,859	16,155	8,078	4,039	-	-	11,228	-	-	-	3,287	135,624.08
TUHH	4,913	11,094	-	3,734	59,748	-	12,123	3,630	-	-	-	-	-	-	95,241.83
UNIROMA1	-	6,603	-	42,185	8,344	22,015	10,730	-	-	10,514	-	2,008	-	-	102,398.91
FUB	2,275	3,855	-	2,626	11,498	29,242	-	-	-	3,507	1,746	-	-	-	54,749.50
UoA	11,302	2,880	-	1,440	17,530	10,080	60,123	-	-	2,886	-	2,700	-	-	108,940.91
FOP	4,229	118,060	1,790	-	-	-	-	13,828	8,910	30,098	-	29,169	-	-	206,084.63
SIEMENS	5,656	-	-	88	10,750	-	-	45,028	-	6,001	-	5,754	-	-	73,275.54
STATOIL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DNV	2,320	-	-	-	-	-	-	-	4,640	46,504	-	13,456	-	-	66,919.80
TOTAL	86,404	187,253	102,283	107,517	124,025	69,415	87,014	62,485	29,377	144,618	1,746	64,962	-	65,587	1,132,685.41

Intermediate Project Report, Year 2

Effort in Person-months

PM -Claimed & Budget

PM and Budget/ SITE
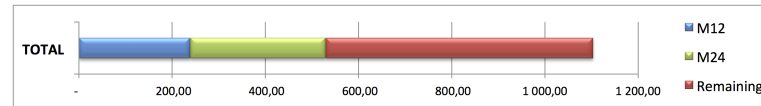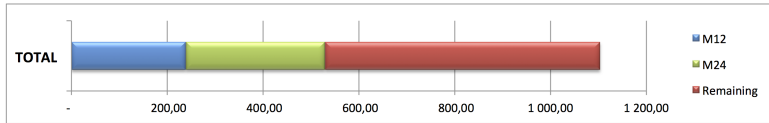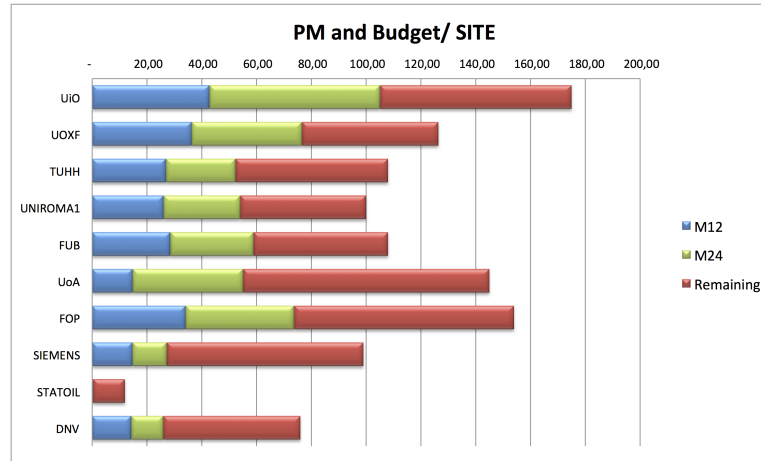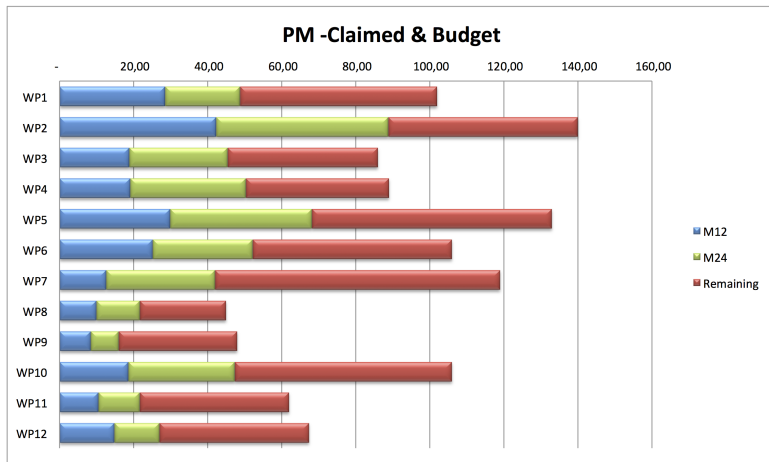
PM Claimed	WP1	WP2	WP3	WP4	WP5	WP6	WP7	WP8	WP9	WP10 RTD	WP10 OTH	WP11 RTD	WP11 OTH	WP12 MGM	TOTAL
UiO	6.90	5.70	13.90	11.90	0.00	0.00	0.00	0.00	3.90	6.50	0.00	2.00	0.00	11.50	62.30
UOXF	4.03	6.70	12.08	4.69	5.38	2.70	1.35	0.00	0.00	2.67	0.00	0.00	0.00	0.66	40.26
TUHH	1.36	3.43	0.00	1.02	15.32	0.00	3.22	1.01	0.00	0.00	0.00	0.00	0.00	0.00	25.36
UNIROMA1	0.00	2.50	0.00	11.52	2.50	5.00	3.50	0.00	0.00	2.50	0.00	0.50	0.00	0.00	28.02
FUB	1.30	2.20	0.00	1.50	6.58	15.80	0.00	0.00	0.00	2.01	1.00	0.00	0.00	0.00	30.40
UoA	3.85	2.40	0.00	0.57	6.66	3.50	21.34	0.00	0.00	1.00	0.00	1.00	0.00	0.00	40.32
FOP	1.32	23.56	0.59	0.00	0.00	0.00	0.00	3.00	2.64	4.76	0.00	3.79	0.00	0.00	39.65
SIEMENS	0.97	0.00	0.00	0.02	1.85	0.00	0.00	7.72	0.00	0.99	0.00	0.97	0.00	0.00	12.52
STATOIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DNV	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	7.30	0.00	2.90	0.00	0.00	11.70
TOTAL	20.23	46.49	26.57	31.21	38.29	27.00	29.41	11.73	7.54	27.72	1.00	11.16	0.00	12.16	290.52

Resource spending pr. partner

This section presents detailed resource spending. Comments per partner follow in the respective subsections.

UiO
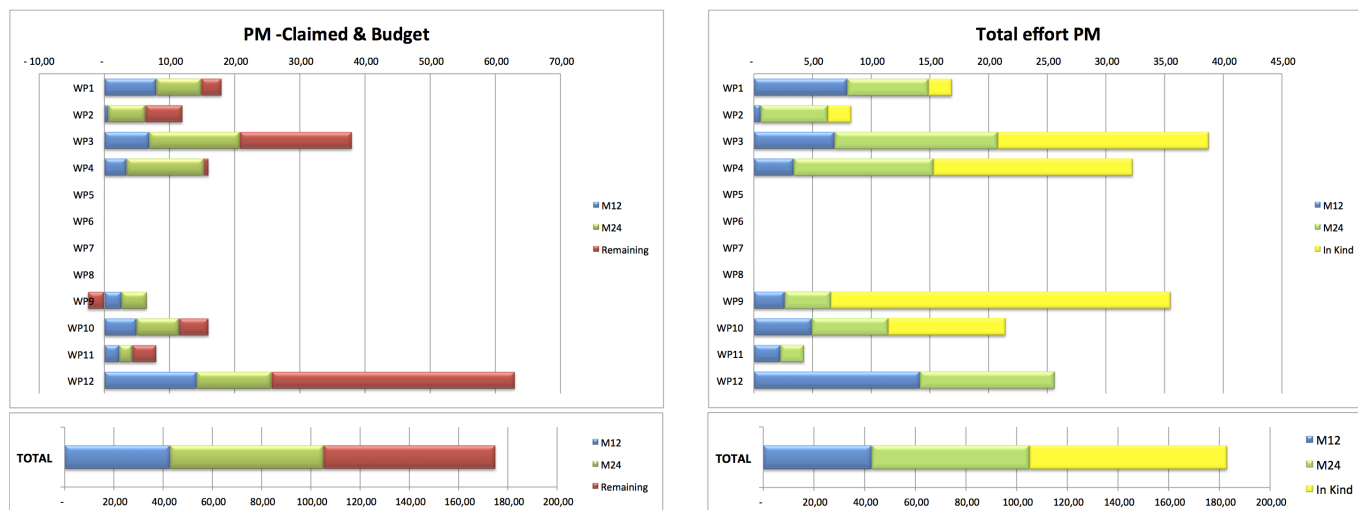
UiO has a number of PhD students and Postdocs working on **Optique**-related activities, mostly in the areas of query formulation and in cooperation with Statoil (WP9). Since these efforts contribute directly to **Optique** but are funded by University of Oslo and the Research Council of Norway, they have been reported as in-kind contributions.
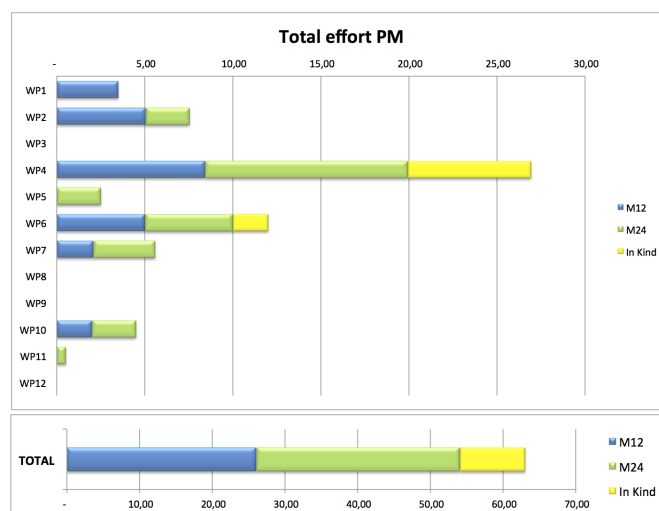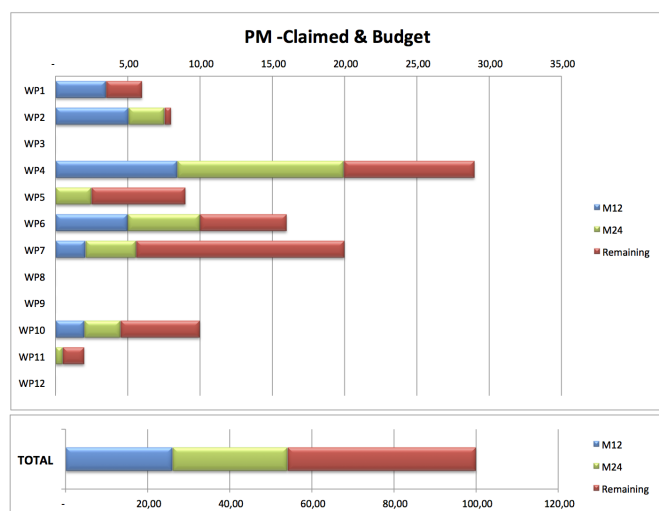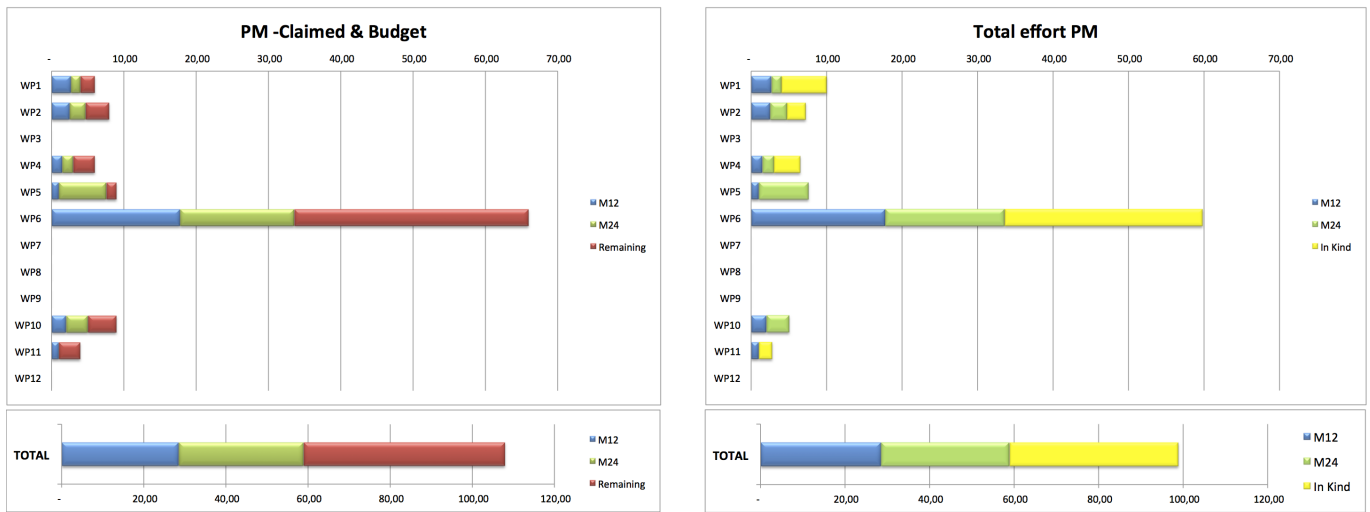
UOXF
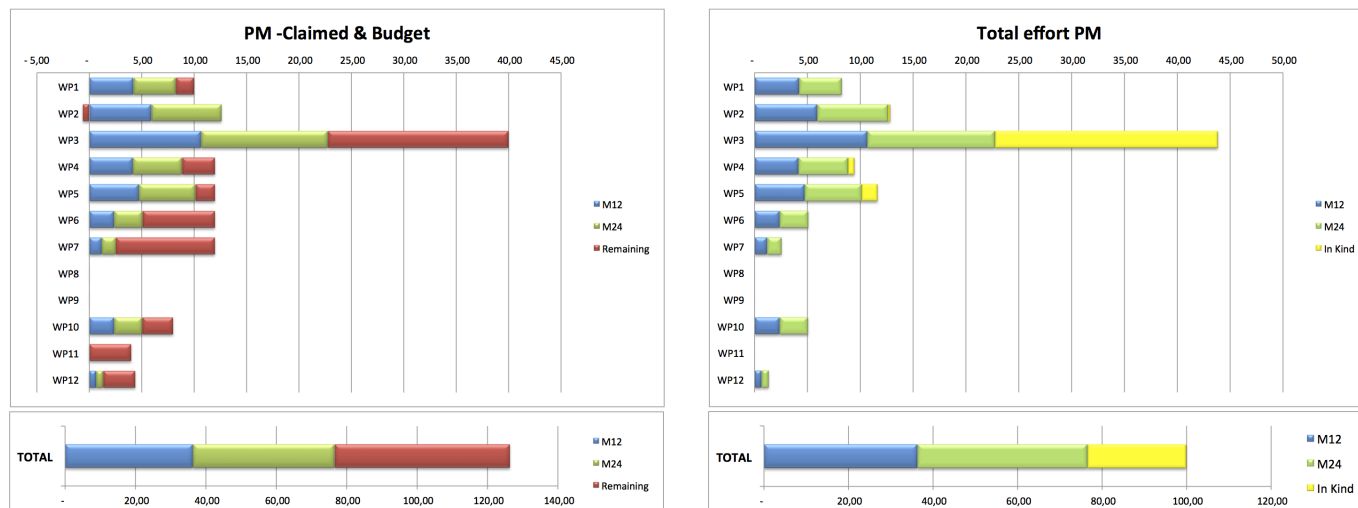
TUHH
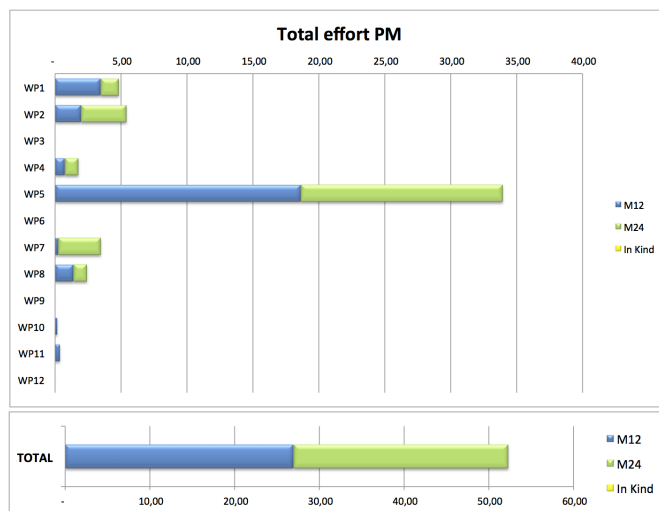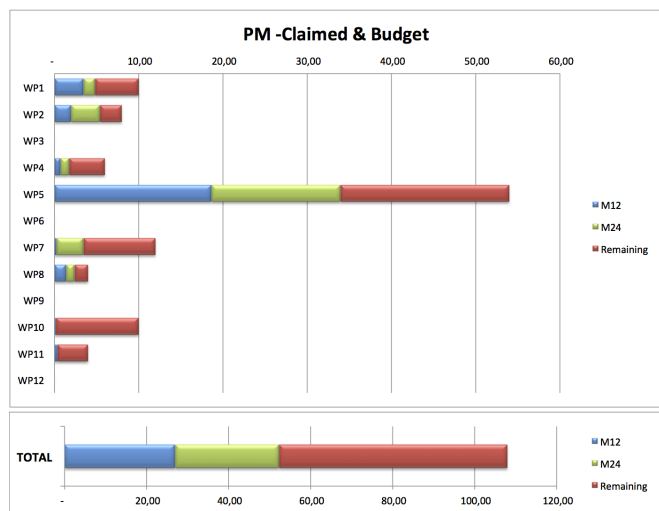
UNIROMA1

At UNIROMA1, a number of PhD students are working on ontology and mapping bootstrapping theory and tools. Since their efforts have contributed to the results, they have been reported.

FUB

Since 2011, at FUB an increasing team of postdocs has been working on the Ontop system, being concerned mostly with system implementation, testing, and performance evaluation. These team members have been hired using in part funds from internal projects that are in synergy with the objectives of Optique, and in part using residual funds from previous and running projects. The Ontop system has become an integral part of the Optique Platform, hence all the work that is being carried out for Ontop is work that directly contributes to Optique.

The work that has been carried out for Ontop since the start of Optique and that has not been paid directly with Optique funding can be quantified in roughly 40 person months.
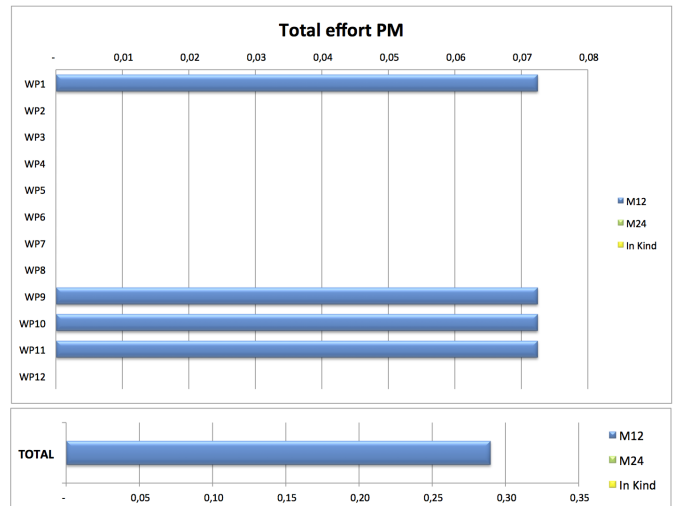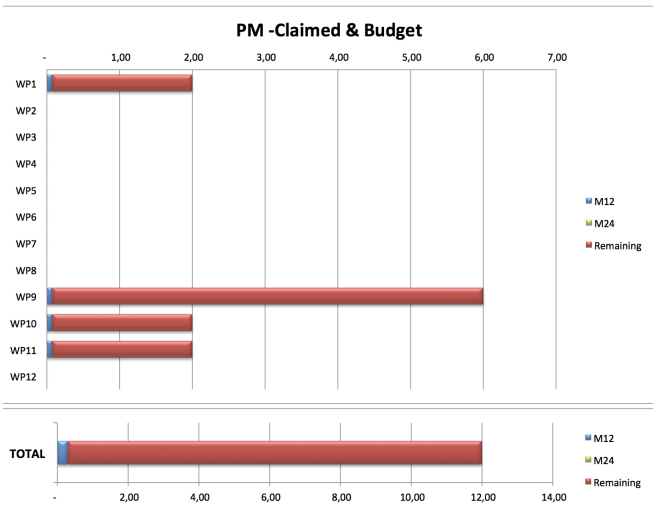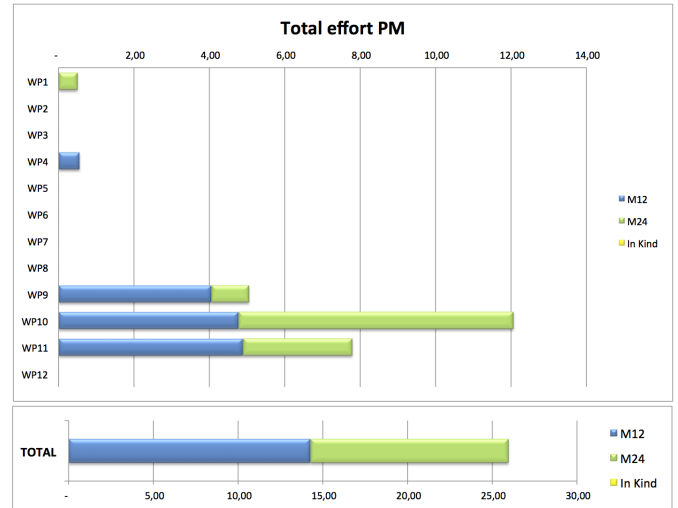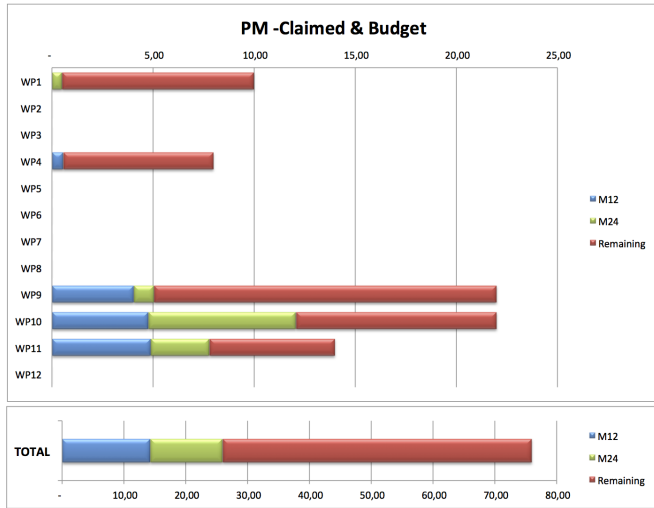
UoA
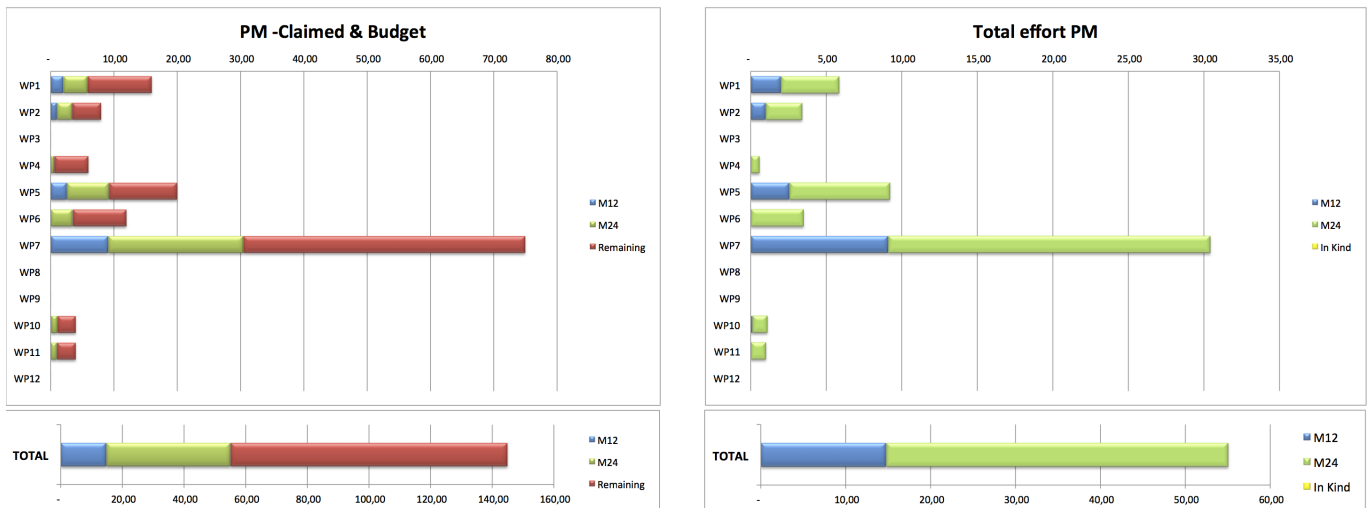
FOP
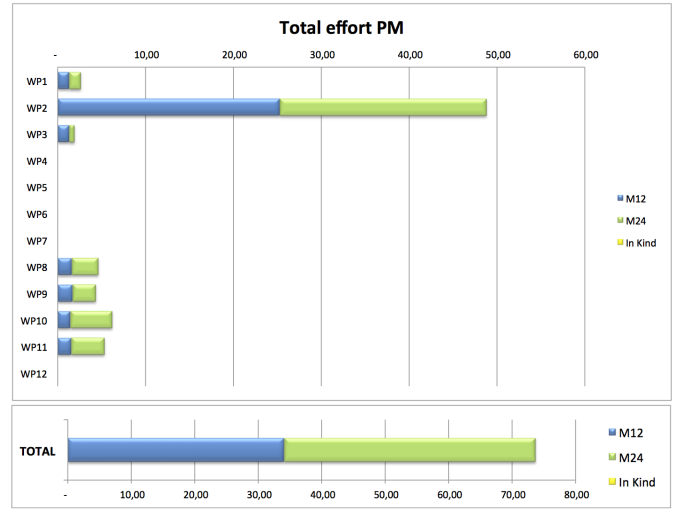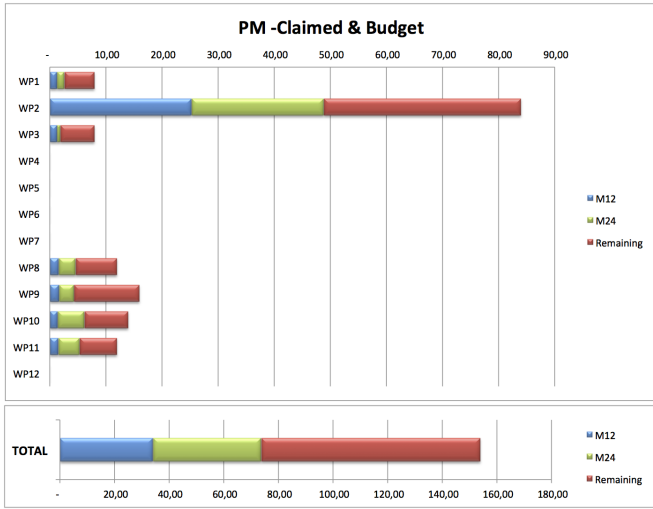
SIEMENS
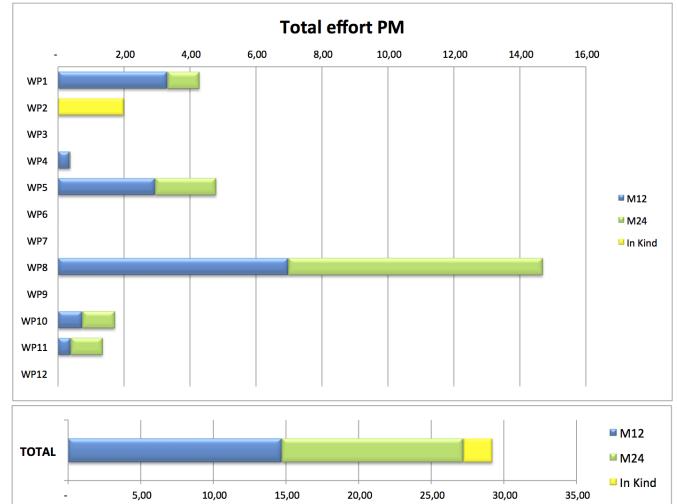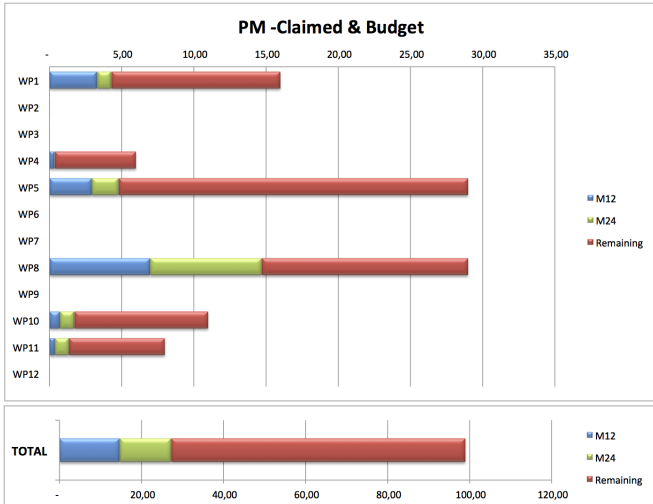
27% of the PM resources has been spent. Siemens has now hired a full-time employee on Optique.

STATOIL

Statoil plans to transfer most of their budget back to the project and fulfill their contractual obligations by in-kind contributions.

DNV

34% of the PM resources has been spent.