



PROJECT WEBSITE AND PROJECT PRESENTATION

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Lead partner:	Arctur
Contributing partners:	SINTEF, Fraunhofer
Authors:	Nejc Bat, Tor Dokken, Georg Muntingh
Quality Controllers:	Tor Dokken
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Consisting of

SINTEF	STIFTELSEN SINTEF, Department of Applied Mathematics, Oslo, Norway
Fraunhofer	Fraunhofer IGD, Interaktive Engineering Technologien, Darmstadt, Germany
DFKI	Deutsches Forschungszentrum für Künstliche Intelligenz GmbH DFKI Innovative Factory Systems, Kaiserslautern, Germany
CNR-IMATI-GE	Consiglio Nazionale Delle Ricerche Istituto di Matematica Applicata e Tecnologie Informatiche, Genova, Italy
CIMNE	Centre Internacional de Metodes Numerics en Enginyeria Civil Engineering, Barcelona, Spain
ARCTUR	ARCTUR Racunalniski Inzeniring Doo, R&D, Nova Gorica, Slovenia
BOC	BOC ASSET Management GmbH, Innovation Group, Wien, Austria
Missler	Missler Software Missler Software Service Department, Ramonville St Agne, France
Jotne	Jotne EPM Technology AS, Aeronautics, Space and Defense, Oslo, Norway
STAM SRL	STAM SRL, R&D Department, Genova, Italy
TRIMEK SA	TRIMEK SA, R&D, Altube-Zuia (Alava), Spain
Tronrud	Tronrud Engineering AS, 3D Printing, Hønefoss, Norway
NOVATRA	NOVATRA, Varennes Saint Sauveur, France

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DOCUMENT HISTORY

Version ¹	Issue Date	Stage	Content and Changes
1.0	22.12.2015		Final version

¹ Integers correspond to submitted versions

EXECUTIVE SUMMARY

This document describes the work done in preparing the project webpage, social media pages and the project presentation.

TABLE OF CONTENTS

Executive summary.....2

1 Introduction.....4

2 Project webpage.....4

3 Project social media pages.....5

4 Project presentation.....7

1 INTRODUCTION

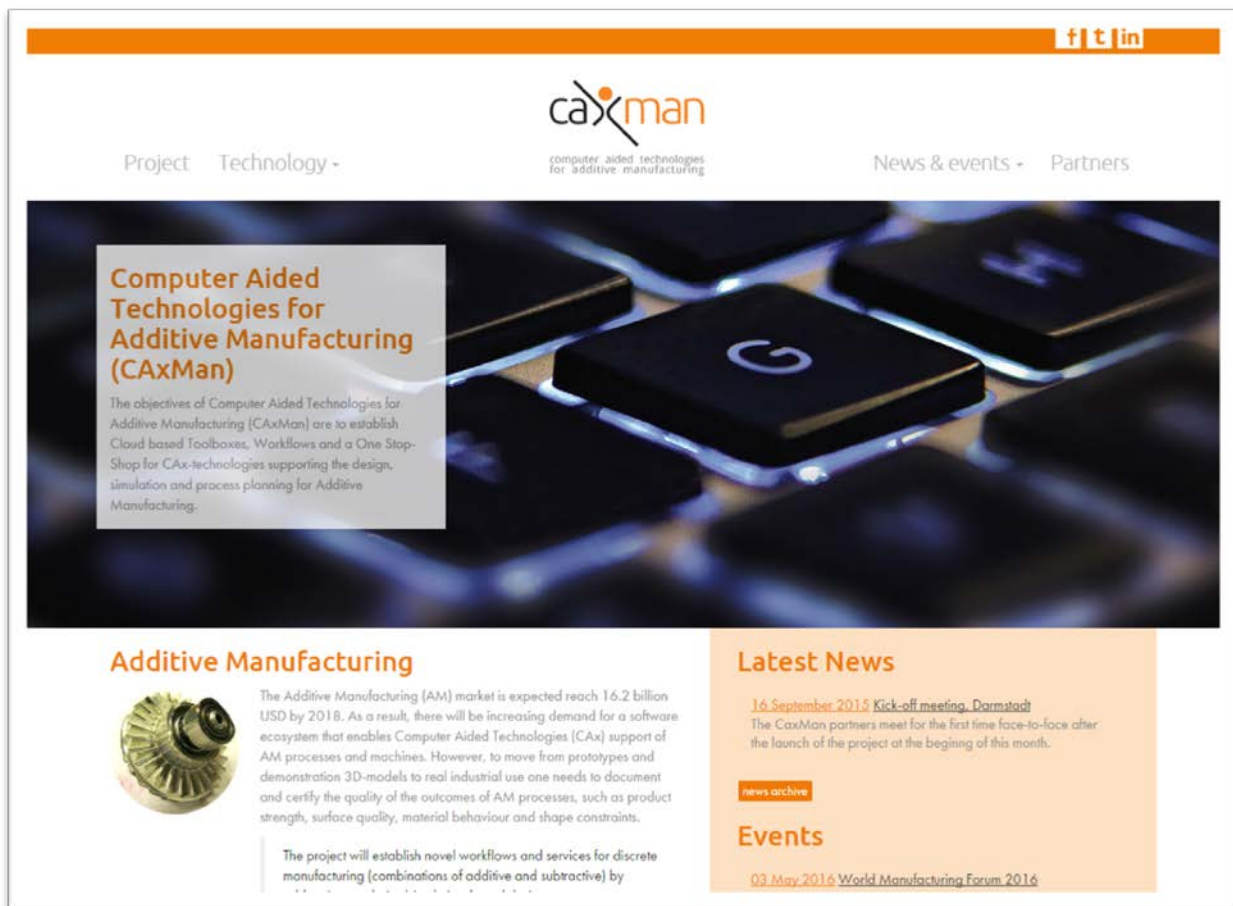
Outreach forms an important part of the CAxMan project. This takes the form of communications at conferences, organization of special 'CAxMan sessions' in Europe and worldwide; publications in scientific journals, but also in publications oriented at a wider public audience, both industrial and non-industrial.

The project public website will initially include information about the project objectives, main goals and expected outcomes. As the project progresses, the main results and open publications will be included on the website with references and links to locate the required information. In addition, CAxMan Groups will be established on LinkedIn and Facebook to foster wider dissemination and communication.

2 PROJECT WEBPAGE

Arctur took the initiative and designed and prepared the project website and social media sites.

The project website is available on the domain name: www.caxman.eu



The website includes the presentation of the project, it describes the individual experiments and standardization efforts. A dedicated section is created for new and events regarding the project in an effort to aid the dissemination of the project. All the partners are presented and the links to social media sites are offered.

The caxman.eu is secured by a 2056 bit SSL certificate and will be used also for the technical platform for the solutions developed during the project.

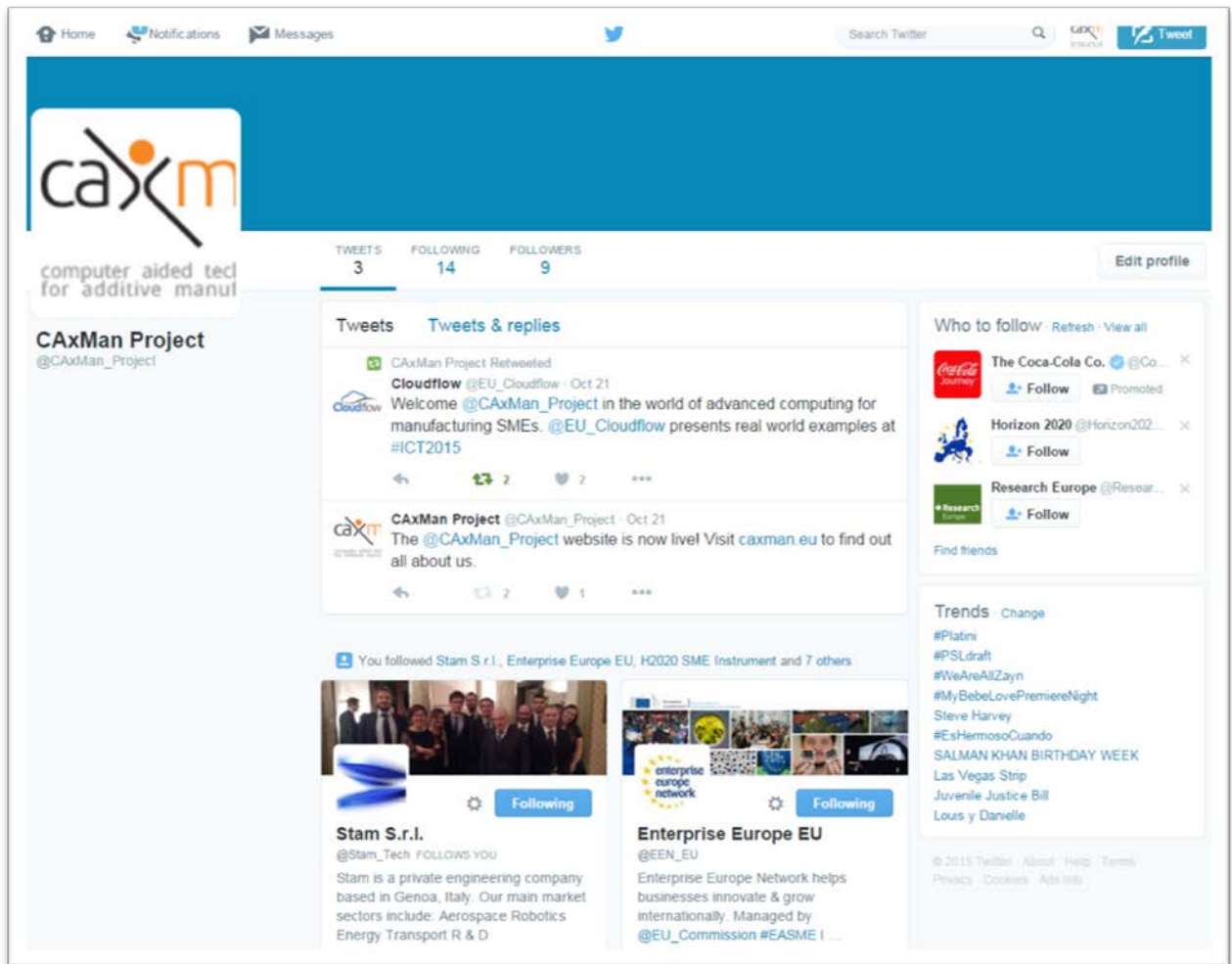
3 PROJECT SOCIAL MEDIA PAGES

The CAxMan project is represented on the following social media sites:

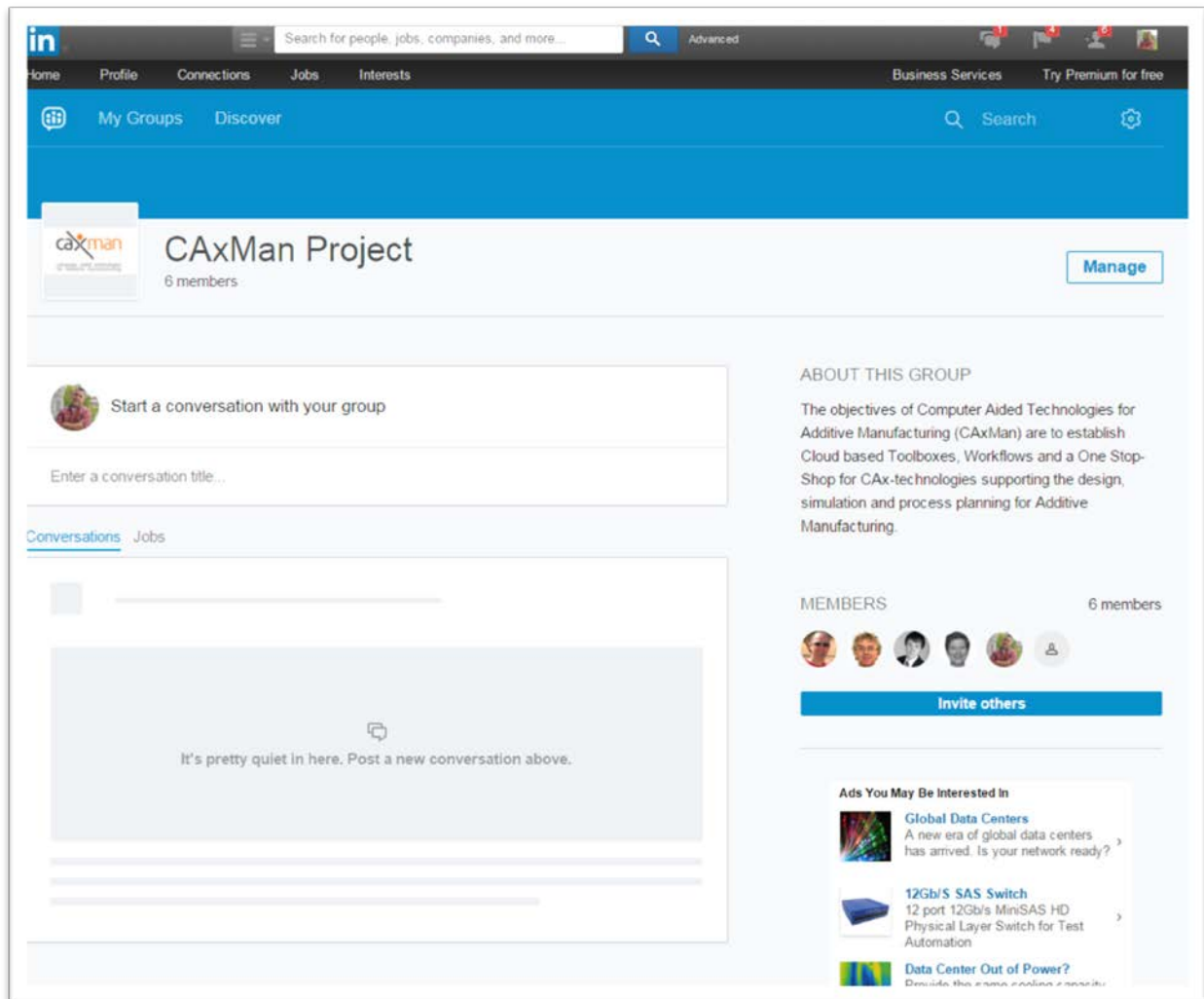
1. Facebook: <https://www.facebook.com/caxmanproject>



2. Twitter: https://twitter.com/CAxMan_Project



3. LinkedIn: <https://www.linkedin.com/groups/8407863>



4 PROJECT PRESENTATION

A general project presentation has been made, see the next pages. The presentation gives an overview of the project scope, objectives, timeline and partners.



HORIZON 2020



Computer Aided Technologies for Additive Manufacturing

Factories of the Future prosjektet CAXMan

Tor Dokken, SINTEF ICT, CAXMan Coordinator
tor.dokken@sintef.no

<http://www.caxman.eu>

Objective FoF-8 in Factories of the Future 2014-2015 Work program

Title: Design, Simulation and Forecasting with very specific guidelines

- To target modern manufacturing technology such as Additive Manufacturing
- Two industrial Use Cases
- To be related to services in the Cloud
- To include standardization
- To include a draft business plan
- Indicated budget 5 to 8 M€

We used a top down approach for preparing the proposal

1. STEP: Identifying the Use Cases and partners that match the objectives of the call
2. Write the outline of the proposal
3. Involve all partners in the final stages

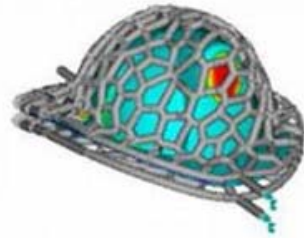


Timeline from idea to project

- First idea for FoF-8 when FoF Work program 2014-2015 published
- Discussions on possible FoF-proposal on AM winter 2014
- FoF-8 changed summer 2014 to target AM
- December 17, Consortium complete, and workpackage structure drafted.
- Mid-January first version of proposal
- Proposal submitted February 5, 2015
- Invited to negotiation May 8, 2015
- CaxMan started September 1, 2015 and runs for 3 years



Use Case partners



Injection molds
cooling system
(France)



Special gear box
(Italy)



Horizon 2020 Grant Agreement Number 680448

OTHER SME Industrial partners

Commercial 3D
Printing (Norway)



CAD/CAM
systems (France)



Metrology
(Spain)

Business
Modelling
(Austria)



HPC Centre
(Slovenia)



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Research partners

3D Geometry
(Norway)



Computer
Graphics
(Germany)

Workflow
manager
(Germany)



Thermal and
stress analysis
(Spain)



FEM, PDEs,
Isogeometry
analysis and
process planning
(Italy)

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PARTNERS FROM CloudFlow bringing in HPC,
Software infrastructure and Services



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Partners – European Dimension



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CAxMan Kick-off September 2015 Darmstadt , Germany



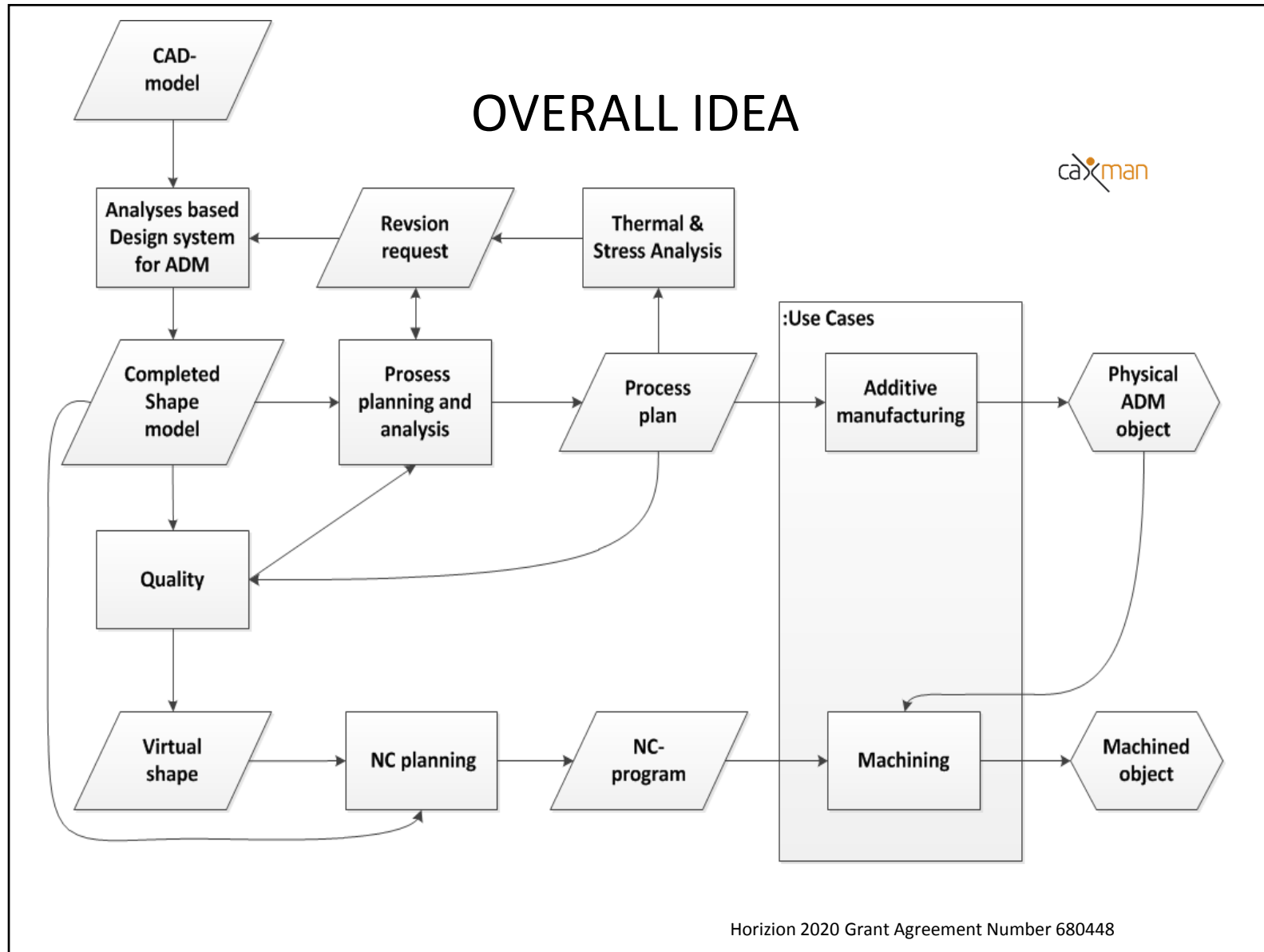
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CAxMan -Numbers

- EU-contribution: 7,143,300€
- Effort: 748 person Months
- Coordinator: SINTEF
- Partners from
 - Austria: 1
 - France: 2
 - Germany: 2
 - Italy: 2
 - Norway: 3
 - Slovenia: 1
 - Spain: 2



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Exploitation Ambition (in a few years)

- Make the new workflows and service available in the Cloud on the CloudFlow Infrastructure
- Use CloudFlow and CAxMan as a platform to attract complementary workflows and services for combined additive and subtractive manufacturing
- Create new European project to complement the CloudFlow and CAxMan services



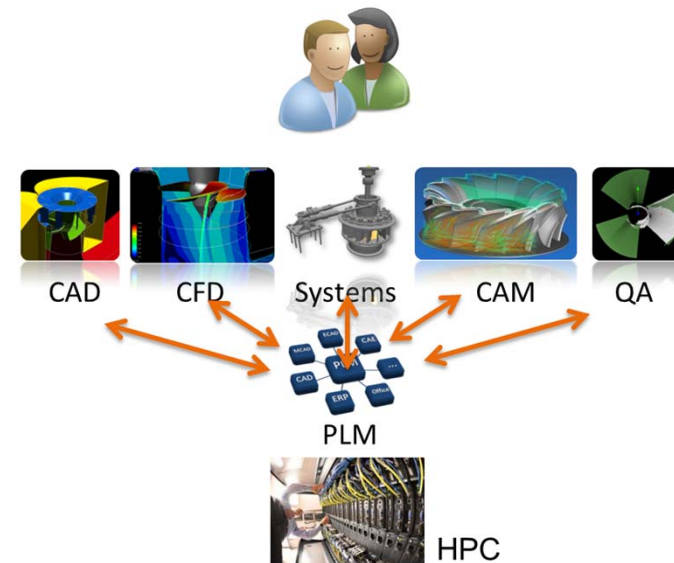
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What is CloudFlow that we build on

www.eu-cloudflow.eu

ca~~x~~man

- (2013-2016) Computational Cloud Services and Workflows for Agile Engineering (2013-2016)
- Ambition
 - support engineering workflows in the Cloud exploiting HPC-resources
 - support design, engineering and manufacturing stages of development processes of complex products
 - develop CloudFlow Infrastructure based on standards
 - provide evidence for benefits through 3 waves of experiments
 - exploit via CloudFlow Portal and CloudFlow Competence Centre
 - 13 experiment running, 7 to start



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