

Request for industrial partners (July 10th 2018)

Project title: real time Data Assisted Process Development And Production

Acronym: DAP²

Project ID	
Type	To be determined
Periode	2 years
Starting date	1 Januari 2018
Total project budget (€)	To be determined
Total man months	To be determined
Subsidy percentage	According to SBO- and O&O regulations
Industrial partners (current)	Janssen Pharmaceutica
Executing Partners	To be determined

Project description

Introduction

Chemical or pharmaceutical companies generate a lot of valuable data which are currently not fully explored because of laborious (pre-)processing activities and the limitations of the available software tools which are typically designed to meet one specific objective. Data generation, however, is going to intensify over the coming years with the growing number of sensors, software applications and data storage capacity. This project aims to maximize data usage in a real-time manner for the benefit of chemical process development and manufacturing ensuring improved process optimization and operational excellence.

Goal

The main goal of the DAP² project will be to effectively implement real time data usage on several test-case processes/unit operations.

Specific tasks and goals to achieve the main goal:

- To develop and setup a suitable data architecture (data warehousing) that allows machine learning enabled feedback loops in highly regulated environments
- To develop and test machine-learning/AI data analysis platform
- Perform test and learns on real time cases and evaluate modelling and data warehouse strategies

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Process know how and process data will be provided by the chemical manufacturer. IT specialists will set up the data architecture, data scientists will provide the necessary link between the process data and the data processing capabilities.

Partners needed

To complete the industrial consortium, Catalisti is searching for additional **industrial** partners ('users') that want to develop, test and implement real time data usage on their own individual test-case process/unit operation.

The chemical/pharmaceutical companies are the end-users in this project. Potential end-user partners do not need to have IT/data knowledge in house. This expertise will be called for in another Request for Partners, after the industrial end-user partners have been identified.

Partners that wish to participate in Catalisti-supported projects, are required to be preferred member of Catalisti. For more information on membership and membership fees please contact lcroes@catalisti.be.

[How to reply to this request](#)

Please send an **email** before **August 10th 2018** to lcroes@catalisti.be with nverdonck@catalisti.be in CC, and **briefly describe your interest and potential contribution** to the project. Based on all responses, the current industrial partner will determine together with Catalisti which partners can join the consortium. After submission, you can be contacted by telephone to further elaborate your response. Please contact Leentje Croes (lcroes@catalisti.be, +32 472 889 776) if you have questions concerning this Request for Partners.

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