



Global Forum (Eindhoven 2016)

Monday 19th and Tuesday 20th, September 2016

A new actor in data revolution in agriculture in France: API AGRO



Background



- ▶ Now, every body is using a connected device: PC, smartphone...
- ▶ More than two out of three farmers are using applications specific to agriculture.
- ▶ The design and the operation of the applications require more and more :
 - ▶ Remote updated data (meteo, commodity prices and forecast...)
 - ▶ Remote high value services such as big data analysis.
- ▶ More and more relevant data for agriculture (meteo, satellite images...) are available through open data portal.
- ▶ French public policies support strongly the development of open data in general and in particular with a project of a data portal dedicated to agriculture.

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Problem statement

How to make data and services, relevant for agriculture, visible and available both for:

- ▶ Research and development of new applications.
- ▶ Day to day operations of applications.

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Solution

- ▶ More than a search engine.
- ▶ A key technology: *Application Programming Interface (API)*.
- ▶ A unique, open, API platform providing services to facilitate:
 - ▶ R & D of new innovative process and applications.
 - ▶ The publication and the monetization of API by their producers.
 - ▶ The uptake of API by their users.
 - ▶ The meeting of users needs and of the producer solutions.
- ▶ A dedicated team to deal with the platform.

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Main principles

1. Each data or service producer defines:
 - ▶ Terms of uses.
 - ▶ Public or private.
 - ▶ Free or paying.
 - ▶ ...
2. Before any integration, a moderator checks the API quality:
 - ▶ Technical description,
 - ▶ Data or service quality,
 - ▶ update process,
 - ▶ ...
3. All the API are registered and described in a harmonized manner by a central open repository
4. A collaborative management by the stakeholders

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Next steps

API AGRO has been existing from mid 2016.

Some services and data sets are already available.

Short term target : data and services from R & D institutes for agriculture software editor and agriculture device manufacturers.

Next step: applications and data from and for cooperatives of services.



► Thank you for your attention



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IN FRANCE**

www.api-agro.fr