

INiTS and FIWARE uptake in Austria

Eva Arh, Business Development



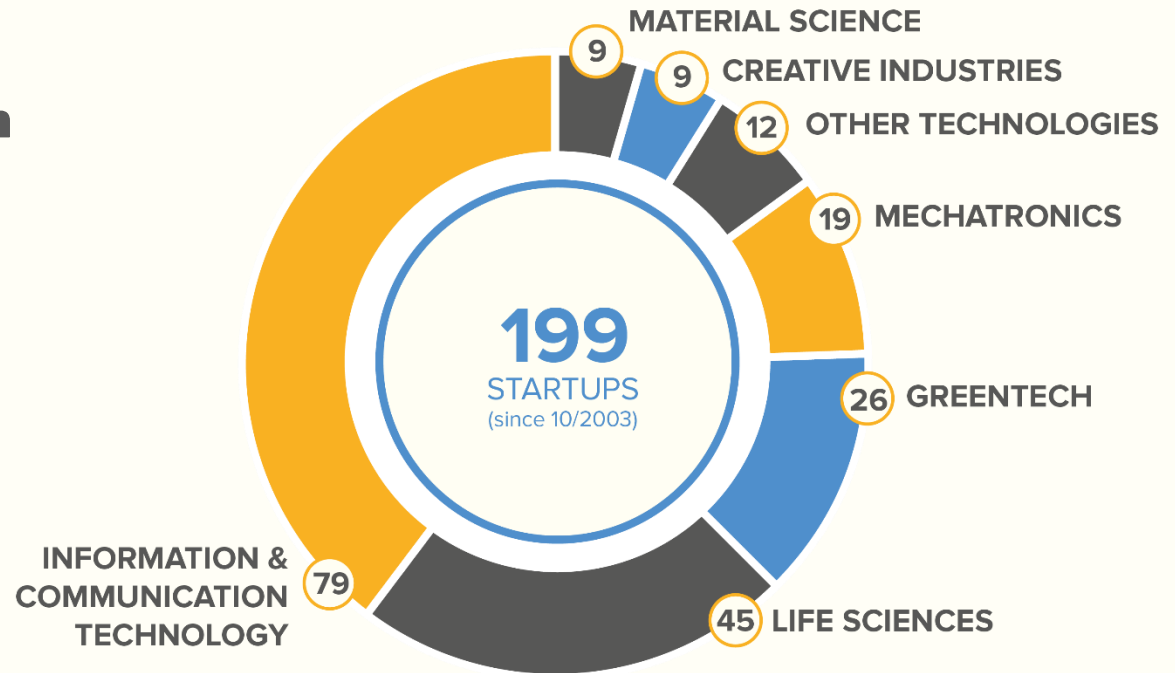
14. Dec 2016

INITIS' interest in FIWARE

INITIS – the biggest high-tech incubator in Austria (since 2002)

A high dealflow of ICT Startups

FIWARE as a tool to speed up the development process



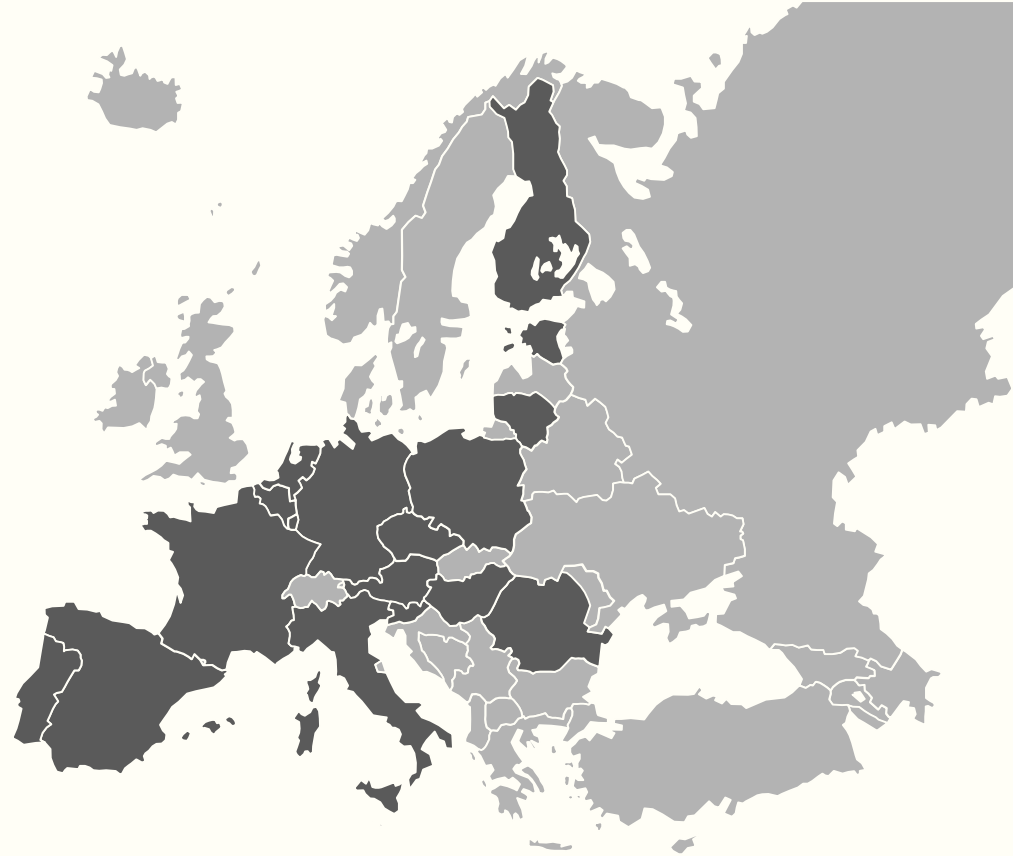
Joining the FIWARE community via I3H

I3H project aims at creating hubs that support innovation and evangelise & enable FIWARE take up within local ecosystems

Hubs have different approach and resources:



- FIWARE nodes
- Help desk
- In-house technicians
- Evangelists
- FIWARE introduction to relevant startups



INITS efforts in Austria

Our positioning: the local point of contact for FIWARE related activities in Austria

- Introducing FIWARE via events to:
 - Cities
 - Developers
 - SMEs / startups
 - Schools
- Introducing SMEs to FIWARE IoT Ready program
- Bringing FIWARE expertise in national project consortiums



Peter Tschuchnig



Eva Arh

For technical support, we leverage hubs that have technical helpdesks.

A sample of our efforts (1/2)

Seminar FIWARE-Workshop FIWARE kennenlernen und nutzen

Leitung: Ing.in Brigitte LUTZ, MSC und Patrick Wolowicz



Hands-on workshop with SMEs
and City of Vienna



DevFest Vienna 20



Europe goes open-source

Introducing FIWARE to developers



Promoting FIWARE IoT
Ready program

A sample of our efforts (2/2)

Creating interactive tutorials connected to the FIWARE instance to understand and test GEs.

- 1) For FIWARE IoT Ready program certification
- 2) Fow FIWARE Tour Guide App

Send Observations - Measurements

Now we send an observation/measurement to the created device using the Ultraligh2.0 protocoll.

- [API documentation](#)

```
In [24]: 1 #measuremnts: alias/value
2 MEASUREMENTS='t|9asd9999'
3 URL = "http://" + idashost + ":" + ul20port + '/iot/d?k='+API_KEY+'&i='+DEV_ID
4 PAYLOAD = MEASUREMENTS
5
6 HEADERS = {'content-type': 'text/plain', 'X-Auth-Token': TOKEN, 'Fiware-Service': FIWARE_SERVICE, 'Fiware-Ser
7 HEADERS_SHOW = {'content-type': 'text/plain', 'X-Auth-Token': TOKEN_SHOW, 'Fiware-Service': FIWARE_SERVICE, '
8
9 print ("* Asking to "+URL )
10 print ("* Headers: "+str(HEADERS_SHOW))
11 print ("* Sending PAYLOAD: ")
12 print (PAYLOAD)
13 print ("...")
14 r = requests.post(URL, data=PAYLOAD, headers=HEADERS)
15 print ("* Status Code: "+str(r.status_code))
16 print ("* Response: ")
17 print (r.text)
```

```
* Asking to http://130.206.80.43:7896/iot/d?k=5jggokgpepnvsb2uv4s40d59ovstingservice12663&i=mydevice123640
* Headers: {'X-Auth-Token': 'NULL', 'Fiware-Service': 'randomtestingservice123100', 'Fiware-ServicePath': '/', 'content-type'
* Sending PAYLOAD:
t|9asd9999
...
* Status Code: 200
* Response:
```

Ecosystem feedback

Education system is interested:

Best practice sharing between countries is needed

IoT Device Manufacturers care about:

- "FIWARE certified" as a channel into the market
 - Being compatible with a standard that more than 100 Smart Cities commit to
- Decision and implementation takes some time since SMEs have tight resources and roadmaps.

Startups in general: Interested in specific GEs relevant for their business **Developers**

- Tried FIWARE in the beginning as they associate themselves with the vision
- Have to be introduced to the improvements that have taken place

Main challenges:

Commercial nodes

Easier set up and starting with FIWARE