State of play of European micro and nano fluidics

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Project funded from the European Union’s Horizon 2020 Research and Innovation Programme under No. GA 685775.
2015 - situation
Problem – societal need
Real societal need – starting point?

+57000 papers from 2011 to 2015 related to “micro-nano fluidics” over the world*

95% trans-sectorial research*

593 patents from 2011 to 2015*

*Results included into Open Access deliverables (WP1: Intelligence analysis) of the Net Market Fluidics project GA No. 685775
What is the Net Market Fluidics?

2015 – Baseline situation

Problem – societal need

2017 - Goal

Community – specialized ONLINE network (platform)

ENTIRELY NEW – NOVEL VISION

INTERACTION between members

ONLINE focused

Survey Tool

Promotion Tool

Collaboration search/offer

www.netmarketfluidics.eu
2017 - situation

Micro and nano fluidics community – specialized online network (platform)
Project performance – Jan. 2016 ... June 2017

+300 Members in 8 months

- Sectorial Workshop
  - 32 Participants (limited assistance)
  - +12 Applications
- Pilot Project Competition
- +19 International events
- 9 Partners

www.netmarketfluidics.eu
What is the Net Market Fluidics?

BENEFITS FOR MEMBERS

- **Collaboration** requests
- **Job** offers
- **News**
- Dissemination of conferences & other events
- **Newsletter** - last news
- Tool for **survey**
- Tool for **promotion**
- **Specialized network**

**Community** – **FREE specialized platform**

**LARGE COMPANY**

**SMEs**

**R&D CENTRES**

**RESEARCH GROUP**

**CLUSTERS**

[www.netmarketfluidics.eu](http://www.netmarketfluidics.eu)
Some Net Market Fluidic project indicators

NMF IMPACT INDICATORS G.A. VS. CURRENT SITUATION

1. Nº M&Nfluidics companies
   - Current situation (June 2017): 9
   - Target foreseen in the G.A.: 55

2. Nº M&Nfluidics research entities
   - Current situation (June 2017): 153
   - Target foreseen in the G.A.: 4

3. Nº M&Nfluidics networks
   - Current situation (June 2017): 3
   - Target foreseen in the G.A.: 1

4. Number of conferences / forum attended
   - Current situation (June 2017): 19
   - Target foreseen in the G.A.: 5

5. Nº project ideas arisen from the sectorial workshop
   - Current situation (June 2017): 16
   - Target foreseen in the G.A.: 9

www.netmarketfluidics.eu
How to be member of the Net Market Fluidics Community?

www.netmarketfluidics.eu

FREE Registration

+300 NEW members
Innovative technology

uFraction8 builds products around a disruptive new liquid particle processing technology. Following our world leading research, establishing new levels of throughput for massively multiplexed microfluidic devices, our technology will be the key to unlock a prosperous and sustainable future.

Who We Are

uFraction8 is a young biotech startup based in Scotland and London.

In uFraction8, we are focused on sustainable solutions for bioreactor downstream processing.

We aim to propagate our innovative solution, replacing filters, membranes, flocculants, centrifuges and other technologies.

We target a wide range of microbes like microalgae, yeast and bacteria, sorting biomass from culture medium with no harmful high shear processes.

Dr Brian Miller of uFraction8 wins Net Market Fluidics Pilot Project Competition

The Horizon 2020 funded project Net Market Fluidics has selected Dr Brian Miller of uFraction8 as the winner of its first Pilot Project Competition for his entry.

The Pilot Project Competition was launched by Net Market Fluidics to help people in industry and academia develop innovative projects in micro or nano fluidics that would promote collaboration, help advance the state of the art and to create new market opportunities for the technology in the market.
Next steps Net Market Fluidics?

2015 – Baseline situation

Problem – societal need

2017 – Goal

Community – specialized ONLINE platform

2019 – FUTURE
Next steps Net Market Fluidics?

2019 – FUTURE...Working

Consolidation of the Micro and nano fluidics community
cohesion and cooperation

Tractor Projects
Collaborative Projects
ADItech Chair

EU projects

Who made this possible?

ADItech Brussels Office

Private foundation combining technological centers located in Navarra, Spain.

Mission: to connect regional science, technology and industry.

Automotive & Mechatronics
Renewable energy & Resources
Health
Food chain

technological excellence

www.aditechcorp.com
Who made this possible?

[Logos of various institutions]

www.netmarketfluidics.eu
Net Market Fluidics

- One of the 1st EU Project in the area of networks and community building that set ups pillar for their own self-sustainability -