Project Development Assistance for Cities and Regions

Experience in Central-Eastern Europe
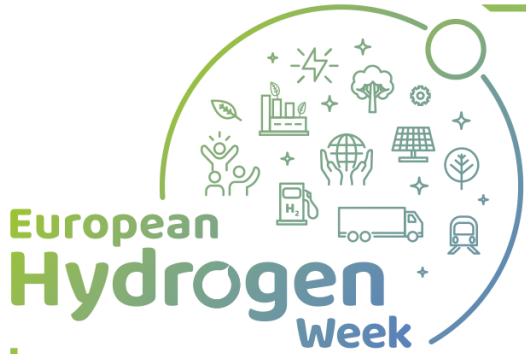
25th November 2020

michael.dolman@element-energy.co.uk
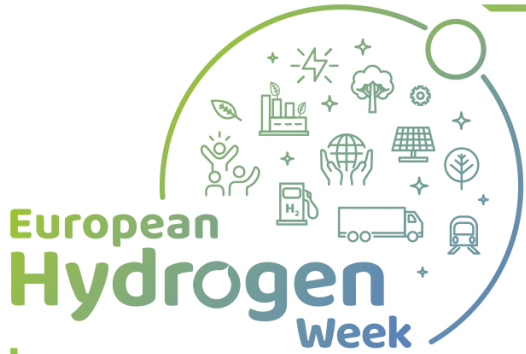
FCH PROJECT DEVELOPMENT ASSISTANCE FOR REGIONS

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Objectives

- Introduce the Project Development Assistance (PDA) for Regions initiative

- Provide an overview of projects in Central and Eastern Europe

- Share emerging conclusions from the on-going PDA initiative

European Hydrogen Week

The PDA programme provides support to selected cities and builds on the FCH 2 JU's Regions and Cities initiative

| 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
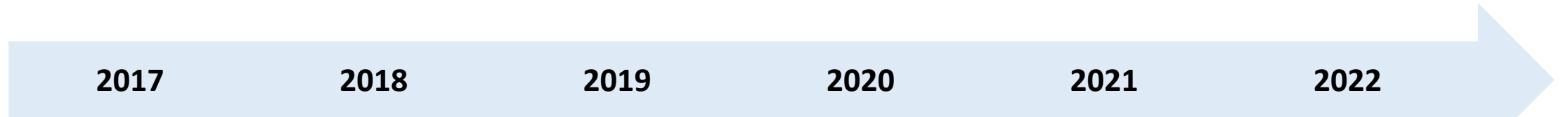
May 2017

Launch of FCH 2 JU Regions and Cities initiative

Oct. 2018

Publication of FCH 2 JU Regions and Cities initiative final report

Oct. 2019

PDA initiative started

Q1 2020

PDA expression of interest

Q2 2020

PDA for selected regions underway

Mid-2020 to mid-2021

Dedicated support for selected regions + info sharing via Observer Network (all PDA applicants)
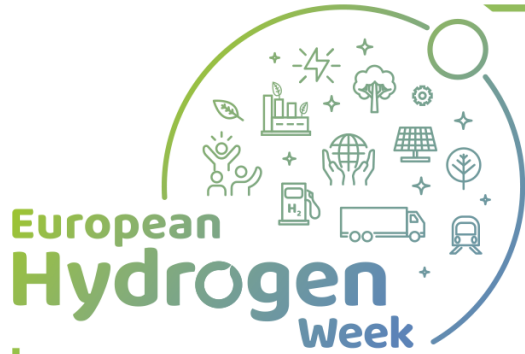
2021/22

Implementation of projects in supported regions

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https://www.fch-regions.eu/

Public authorities were invited to submit expressions of interest for PDA via a dedicated website in Q1 2020

Criteria included*:

- Existing concepts for a FCH project of expected budget >€5m

- Aim to commence implementation within 12 months of the conclusion of PDA

- Applications from public authorities with willingness and ability to co-finance the project

- Open to public authorities in EU member states and associated countries
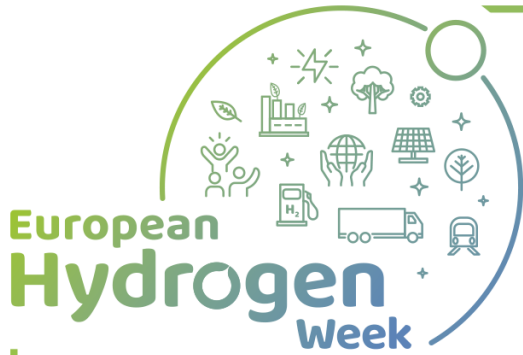
- EOIs in English
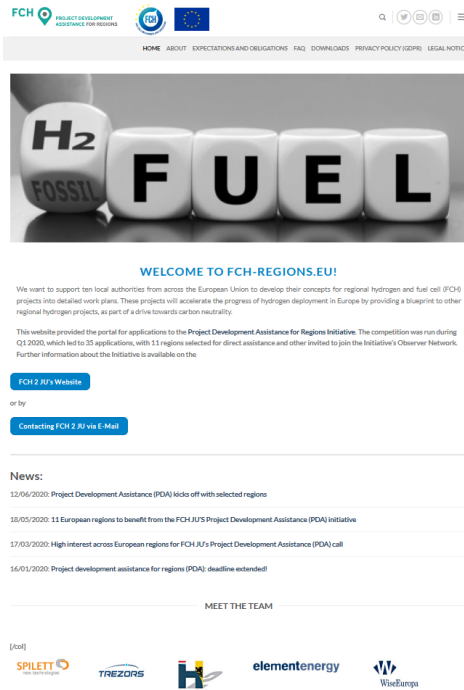
* non-exhaustive

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We received 35 eligible expressions of interest from countries around Europe, including 12 from CEE countries

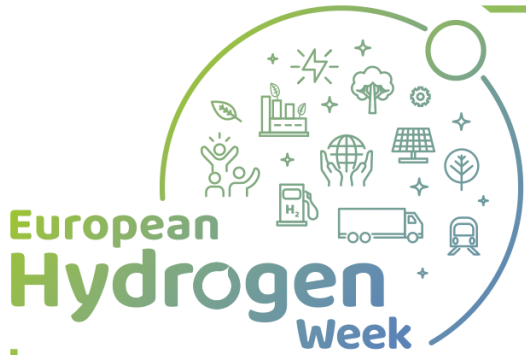| Country	Regions
Belgium	**Limburg**
Bulgaria	**Ruse, Sofia**
Croatia	**Zagreb**
Estonia	Tartu
France	**Bourgogne-Franche-Comté**, Normandie, Région Grand Est, Région Hauts de France
Germany	Dahme-Spreewald, Stadt Aschaffenburg
Greece	Western Macedonia
Hungary	Szentendre
Italy	Emilia-Romagna
Latvia	Jelgava, Riga
Netherlands	Brainport Eindhoven, Midden Noord-Brabant, **Texel**
Poland	**Gdynia**
Portugal	**Medio Téjo**
Romania	Cluj-Napoca, Giurgiu, Iasi, Ramnicu Valcea
Slovakia	**Mocenok**
Spain	Aragón, **Asturias**, Cantabria
Sweden	Gävleborg, **Mariestad**
UK	England: Coventry, Swindon; Scotland: Aberdeen, Orkney Islands
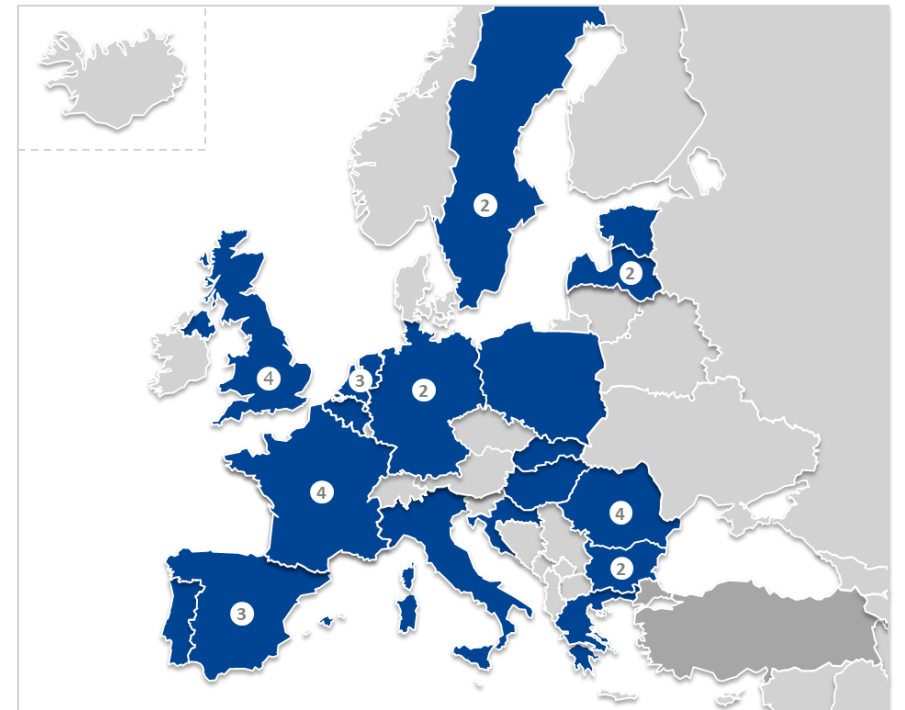
Countries from which applications for PDA were submitted during the expression of interest process (Q1 2020)

*Regions in **bold** were selected to receive Project Development Assistance*

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Eleven regions were selected to receive Project Development Assistance, including five located in CEE countries

Mariestad (SE)
Regional Train, HRS & H$_2$ production

Texel (NL)
Smart sector-coupling on islands

Limburg (BE)
Trucks & Logistics

Bourgogne-Franche-Comté (FR)
Heat and power for domestic heating, trucks, buses & HRS

Asturias (SP)
Trams + HRS

Medio Téjo (PT)
Buses, HRS & H$_2$ production

Gdynia (PL)
Buses, HRS & H$_2$ production

Mocenok (SK)
Electrolytic H$_2$ for industrial use and FC trains

Ruse (BG)
FC freight ship

Sofia (BG)
Buses & HRS

Zagreb (HR)
Buses, HRS & H$_2$ production

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With PDA, local project teams are developing budgets, financing & funding plans, and procurement strategies

Overview of general PDA process being followed


```
Create the
project          →   Write a
delivery group        project      →   Facilitate      →   Develop
                      concept paper     working             project
                                        groups              budget
                                                        ┌───────────────┐
                                                        │   Develop     │   →   Letters of
                                                        │ financing &   │       commitment
                                                        │ funding plans │       signed
                                                        └───────────────┘
                                                            Develop
                                                            procurement
                                                            strategy
```
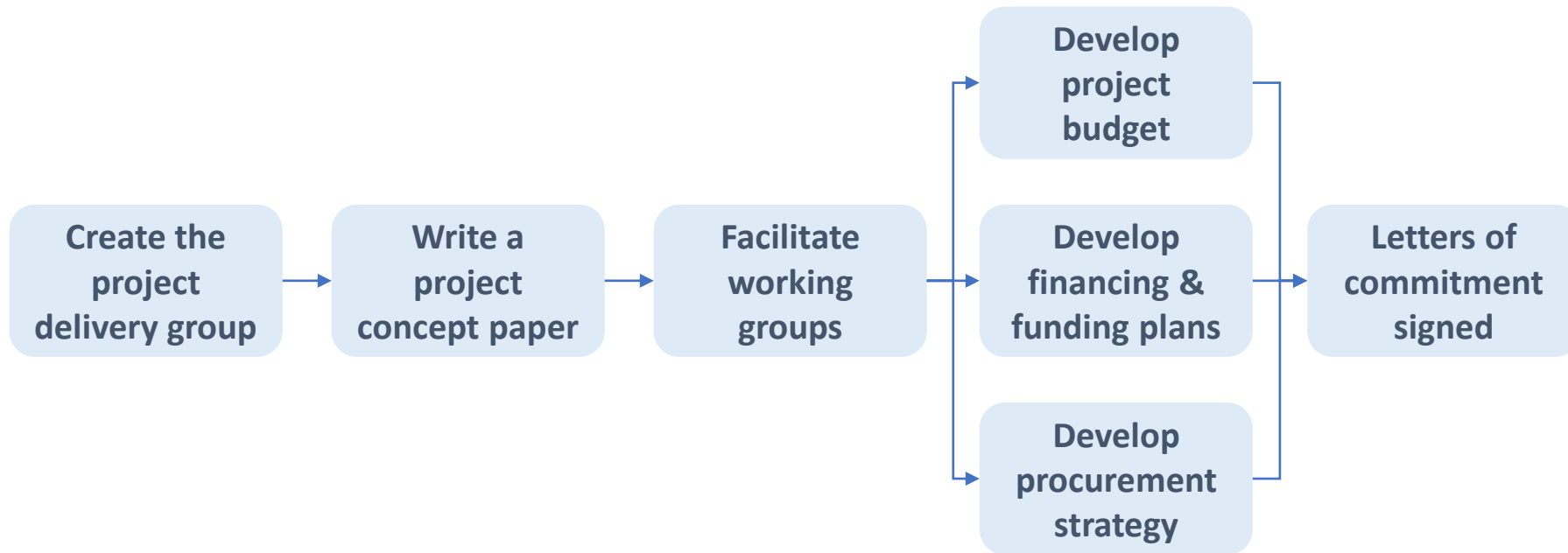
PDA in Central and Eastern Europe – emerging conclusions

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- **Various (but common) motivations** for interest in HFC deployment

- **Lighthouse projects** – potential to catalyse further roll-out
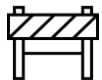
- **Expert consultancy support** can help **shape the projects, provide access to existing resources and knowledge**

- **Strong local buy-in needed** to turn plans into reality
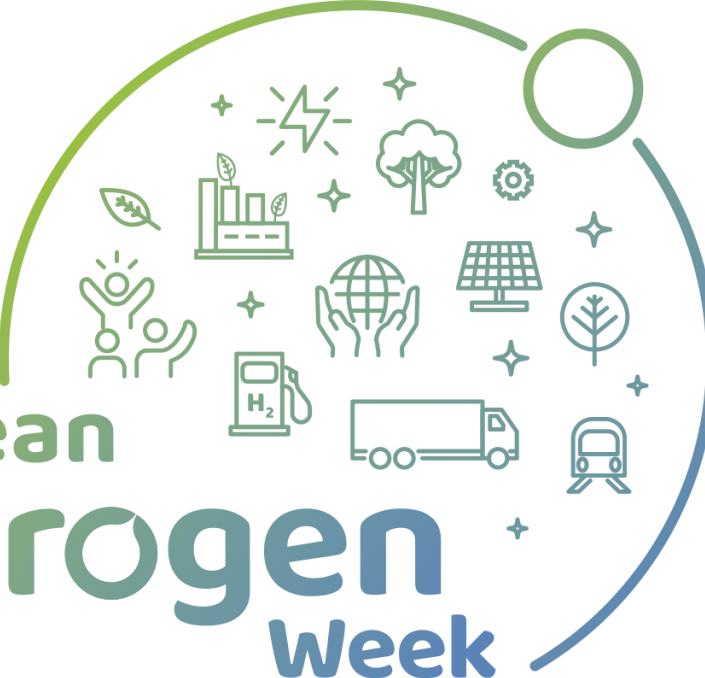
- **EU funding** required in most cases

- Potential **challenges accessing technologies** in markets new for HFC solution providers

- **HFC expertise does not generally exist within local public authorities** – PDA provides a mechanism for supporting development of plans that can contribute towards green growth

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