Synergies Between Pillar I and II of Horizon Europe: Case Study

Xin Tu

Department of Electrical Engineering and Electronics

University of Liverpool, UK

E-mail: xin.tu@liv.ac.uk

My Expertise – Emerging plasma catalysis for sustainable production of fuels/chemicals and environmental clean-up

Awarded EU Grants

Horizon2020 MSCA (equivalent to Pillar I of Horizon Europe)

❑ **Innovative Training Networks (ITN)**

   EUROPAH (ETN, 2016-2021) and PIONEER (EJD, 2019-2022)

❑ **Research and Innovation Staff Exchange (RISE)**

   BIOMASS-CCU (2019-2023)

Horizon Europe (Pillar II)

❑ ColdSpark (RIA, CL5-2021, 2022-2025)

❑ DARE2X (RIA, CL5-2021, 2022-2025)

Application Experience - Horizon2020 MSCA

❑ EUROPAH (ITN-ETN-2016, submitted 3 times, ~€4M)

2014 (86.8%), 2015 (90%), 2016 (93.6%)

❑ PIONEER (ITN-EJD-2018, submitted 2 times, ~€4M)

2017 (91.2%, reserved list), 2018 (95.8%)

❑ BIOMASS-CCU (RISE-2018, submitted 1 time, ~€860k)

2018 (85.4%)

Resubmission of the proposal – addressing the negative comments of all reviewers and revising the proposal – improving the quality of the proposal!

Application Experience - Horizon Europe (Pillar II)

❑ ColdSpark (RIA, CL5-2021, ~€3M)

Coordinator (Industry)

7 partners, score 14.5 (Excellence 4.5, Impact 5, Implementation 5)

❑ DARE2X (RIA, CL5-2021, ~€3M) success after 1 resubmission

(resubmit to a different call)

Coordinator (RTO), 6 partners, score 15 (in 2022)

First submission (RIA, CL4-2021, ~€5M): 10 partners, score 12.5

(Excellence 3.5, Impact 4.5, Implementation 4.5)

Resubmission of the proposal – Possible but more challenging!

You need to find another suitable call; You might need to reorganise

the consortium and/or change the topic.

Difference Between Pillar I and Pillar II

❑ Excellent Science (Scientific challenges) vs Technology (scale-up, development, demonstration, etc) - Example

❑ Open topic vs specified topic (specific call requirements)

❑ Low TRL vs High TRL (clear starting/target TRL, RIA and IA)

❑ Requirements of KPIs

❑ Training programmes (including (joint) supervision)

❑ Exploitation (business plan, regulations/policy influence)

❑ Role of industrial partners / Expertise of partners

❑ Expected impact/outcomes

Common Aspects of Pillar 1 and Pillar 2

❑ Innovative aspects & clear and well-defined objectives

❑ Open science and data management

❑ Gender dimension

❑ Methodology

❑ Interdisciplinary and multidisciplinary nature

❑ Dissemination and communication strategy

❑ Implementation (structure)

Resubmit a Pillar I proposal to a Pillar II call
(or vice versa)?

❑ The concepts developed in the Pillar I proposal (or outcomes

of the Pillar I grants) could be used for the Pillar II application

❑ Your existing network is valuable

❑ You might need to reorganise the consortium

❑ Think about the difference between Pillar I and Pillar II

THANK YOU