

## Deliverable D52-2

The work leading to this report has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 769088.

## 2<sup>nd</sup> Dissemination Report

Document control data		
Deliverable No. :	UH-D52-2	Author(s): J. Wild (DLR)
Version:	Final	
Date of issue:	22-02-2022	Accepted by: J. Wild (DLR)
Release status:	Confidential	Date: 22-02-2022

This document has been produced by the UHURA consortium under Horizon 2020 of the EU. Copyright and all other rights are reserved by the partners in the UHURA consortium.

The release of this report is RESTRICTED

Any disclosure or distribution outside of UHURA and the European Commission is prohibited and may be unlawful.

## 2<sup>nd</sup> Dissemination Report

### 1 Outline

This report updates deliverable D52-1 with respect to the recently performed dissemination within the 2<sup>nd</sup> project period and covers the project communication for the project months M1-M36.

### 2 Information material for use by partners

#### 2.1 Project One- and Two-pager

Presentation-formats have been provided that allow partners to easily introduce information on the UHURA project into overview presentations. This information is available as One-pager or Two-pager allowing highlighting the key mission of UHURA to be presented within public presentations, conferences, and other public relation activities

#### 2.2 Fiche Projet

A short public description of the project has been provided on request to INEA, which is used in the agency's communication of H2020 projects. The Fiche project contains the background, objectives and expected results of the project. The Fiche Project has been updated with the achievements of the first and second reporting period.

#### 2.3 Presentation template

A common template has been created that is used by the partners for internal and external communication of the project.



### PUBLIC PRESENTATION TITLE SLIDE

Authors and Affiliations

Figure 1: common presentation template

### 3 Scientific publications

A major part of dissemination of the UHURA project is the deployment of the scientific results to the community, majorly by contributions to scientific conferences and articles in peer reviewed journals. A significant number of contributions to scientific conferences has been provided in the scope of the

first and second reporting periods. In total 11 contributions are counted, six of them within a special session at the 10<sup>th</sup> EASN International Conference.

**Table 1: list of contributions to scientific conferences**

Author(s)	Title	Event
Wallin S, Hanifi A, Bagheri F	Meshing and CFD strategies for large scale turboprop WT model integrating morphing high-lift devices"	10th Aerospace Technology Congress, October 8-9, 2019, Stockholm, Sweden
Ponsin J	Experiences of using LBM Xflow in the EU H2020 Project UHURA	3DExperience Conference Design, Modeling & Simulation, March 11-12, 2020, Barcelona, Spain
J. Wild	Unsteady High-Lift Aerodynamics – Unsteady RANS Validation An Overview on the UHURA Project	10 <sup>th</sup> EASN International Conference, Sep 2, 2020, virtual
H. Maseland, J. Wild, H. van der Ven	Progress in Meshing for Dynamic High-Lift CFD	10 <sup>th</sup> EASN International Conference, Sep 2, 2020, virtual
A. Prachar, R. Heinrich, A. Raichle, J.C. Kok, F. Moens, T. Renaud	Progress towards numerical simulation of the dynamic Krueger motion with Chimera methods	10 <sup>th</sup> EASN International Conference, Sep 2, 2020, virtual
S. Chen, F. Bagheri, S. Wallin	Hybrid RANS-LES simulation of a deflecting Krüger device	10 <sup>th</sup> EASN International Conference, Sep 2, 2020, virtual
F. Cappizzano, T. Sucipto	A dynamic Immersed Boundary method for moving bodies and FSI applications	10 <sup>th</sup> EASN International Conference, Sep 2, 2020, virtual
J Ponsin, C. Lozano	Progress towards simulation of Krueger devices motion with Lattice Boltzmann Methods	10 <sup>th</sup> EASN International Conference, Sep 2, 2020, virtual
J. Wild	Unsteady High-Lift Aerodynamics – Unsteady RANS Validation An Overview on the UHURA Project	AEROSPATIAL 2020, Oct 15, 2020, virtual
Wallin S, Cappizzano P, Prachar A, Ponsin J	Unsteady CFD Results for Deflecting High-Lift Systems	8th European Congress on Computational Methods in Applied Science and Engineering (ECCOMAS 2020), January, 11 – 15, 2021
Wild J, Schmidt M, Vervliet A	A 2D Validation Experiment for Dynamic High-Lift System Aerodynamics	8th European Congress on Computational Methods in Applied Science and Engineering (ECCOMAS 2020), January, 11 – 15, 2021

## 4 Contributions to exhibitions and fairs

### 4.1 AeroDays 2019

The exhibition of UHURA together with the AFLoNext Ground Based Demonstrator has been proposed to the organizing committee of the AeroDays 2019 conference & exhibition. Unfortunately due to complexity of the setup it was only able to show the demonstrator during specific visits to the local research institute INCAS, where the demonstrator is stored.

### 4.2 ILA 2020

For the exhibition of H2020 projects at the INEA booth at the International aeronautics Fair ILA '20 in Berlin, an animated 2 minutes presentation of the project has been provided to INEA. It covers the objectives, the experimental approach as well as highlighting CFD animations of WP2.

## 5 Presence in World Wide Web

### 5.1 Public web-site

For the project UHURA a web site at the location <http://uhura-project.eu> has been created. The web-site is designed (Figure 2) and hosted by beneficiary IBK within the server environment available from Task 5.3. The content of the web-site is filled with the substantial progress achieved.

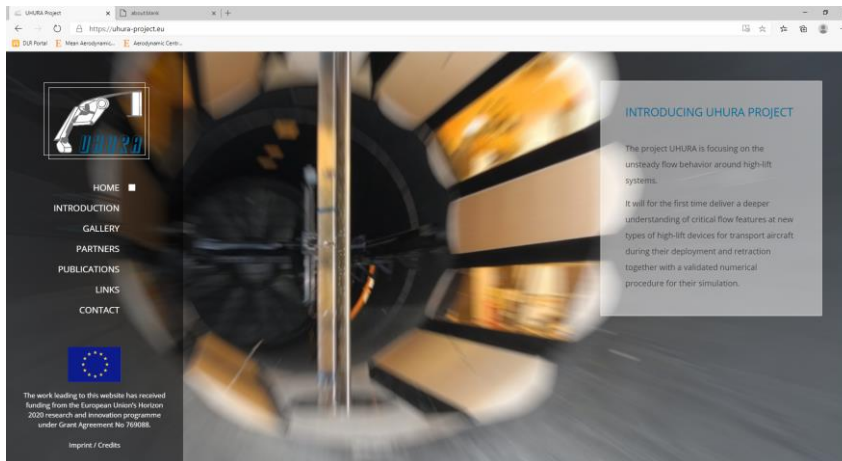


Figure 2: public web-site of the UHURA project <http://uhura-project.eu>

### 5.2 Presence on partners and funding entities web-sites

The following entities have introduced references to the project on their domestic web-sites:

EU (CORDIS system): <https://cordis.europa.eu/project/id/769088>

INEA: <https://ec.europa.eu/inea/en/horizon-2020/projects/h2020-transport/aviation/uhura>

IBK: <https://www.ibk-innovation.de/projects/212-uhura>

KTH: <https://www.flow.kth.se/sv/projects/eu-projects/uhura>

VZLU: <https://www.vzlu.cz/en/uhura-unsteady-high-lift-aerodynamics-unsteady-rans-validation-c710.html>

### ***5.3 Presence in Social Media***

In the scientific communication platform ResearchGate.net, a project entry has been created that links researchers and the publications to the project and allows to announce dissemination activities within the scientific community.

Web-URL: <https://www.researchgate.net/project/UHURA-Unsteady-High-Lift-Unsteady-RANS-Validation>