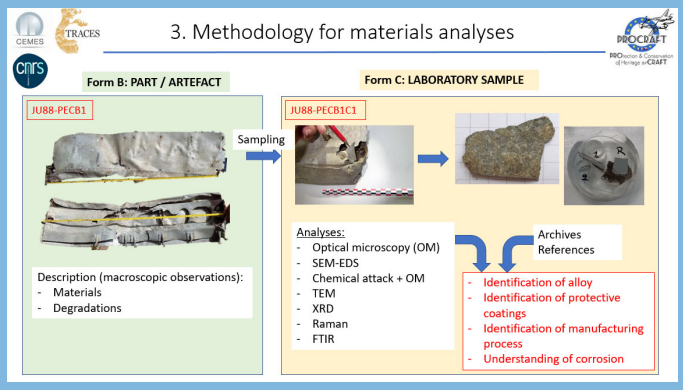
PROCRAFT PROJECT – NEWSLETTER N°1

NOV 2020 – NOV 2021

This project studies WWII aircraft wrecks with the aim of improving knowledge of their materials (Al alloys), determining suitable treatments for them (curative and protective treatments) and methods of preventive conservation.

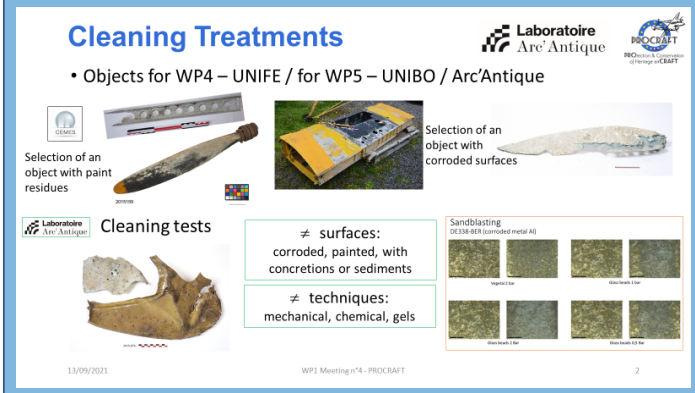
COMMUNICATION

Meetings: 4 Kick off Meetings (3 video + 1 in Toulouse) + 6 for WP2 + 2 for WP6.
Communications: 2 national conferences, 7 social media posts, 5 Newsletters from Associations
6 Deliverables in 2021 / Website



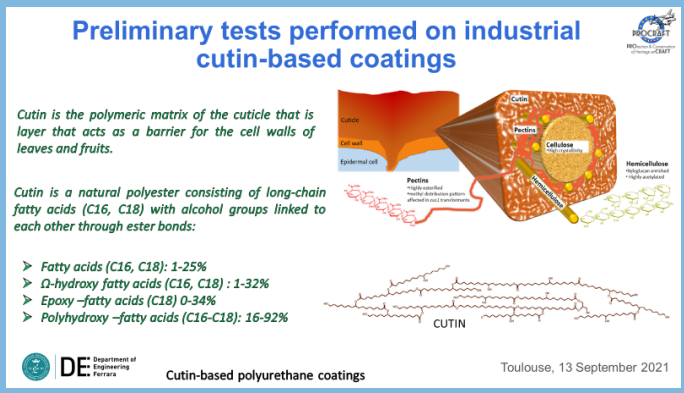
WORK PACKAGE 2 – CEMES

Aircraft parts, loaned by the project partners (34 aircraft from 6 different countries) have been analyzed. Alloys and protective coatings have been identified, allowing for a better understanding of the corrosion process.



WORK PACKAGE 3 – ARC ANTIQUE

Preliminary testing of cleaning and stabilization treatments on painted and metal surfaces to be conducted. This will be the main task for the Arc'Antique Lab in 2022.



WORK PACKAGE 4 – UNIFE

The focus in first year was mainly on selecting protective coatings and effective corrosion inhibitors. Initial tests on protective coatings have been performed. The protective effectiveness is evaluated by electrochemical techniques during exposure in artificial acidic rain.

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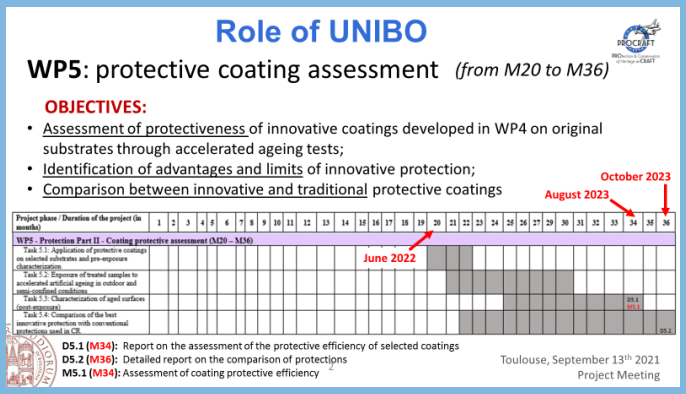
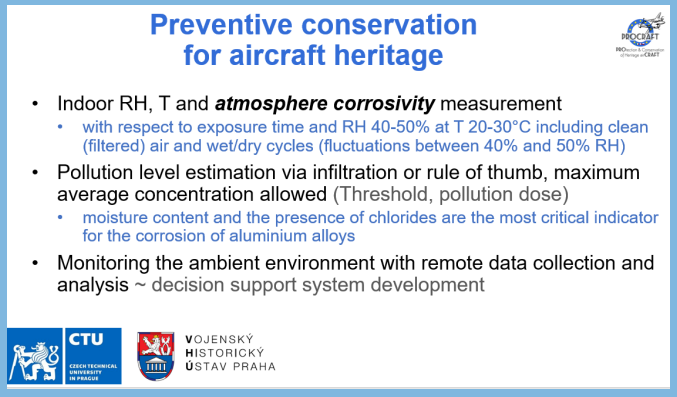


WORK PACKAGE 5 – UNIBO

UNIBO will assess the protectiveness of coatings developed by UNIFE in WP4 through accelerated ageing (WP5). Arc'Antique will take part in WP5 by comparing the performances of the best innovative coating with traditional ones, applying them on real wrecks.



WORK PACKAGE 6 – CTU

Preventive conservation for Exhibition: Monitoring the ambient environment with remote data collection and analysis ~ decision support system development.

5 PARTNERS

This project is led by the **Arc'Antique** laboratory in Nantes (France), in collaboration with the **CEMES** of Toulouse (France), the Universities of Ferrara **UNIFE** and Bologna **UNIBO** in Italy and the Czech Technical University in Prague **CTU**, Czech Republic.

20 THIRD PARTIES

20 third parties including museums, institutes, universities, volunteer associations and conservators are collaborating on this project: **DRASSM** (Marseille, France), **DRAC Pays de Loire** (Nantes, FRANCE) , **Toulouse Métropole** (Toulouse, France), **UNIWA** - University of Athens (Athens, Greece), **CIRIMAT**-INP research laboratories (Toulouse, France) , **LARA** - Université de Nantes (Nantes, France), **Aeroscopia** (Toulouse, France), **Musée de l'Hydraviation** (Biscarrosse, France), **Musée de l'Air et de l'Espace** (Le Bourget, FRANCE), **Volandia** Museum of Flight (Somma Lombardo, Italy), **Air Club & Fun** (Argelato, Italy), **Museo Storicodell'Areonautica militare** (Bracciano, Italy), **The Military History Institute Prague** (Prague, Czech Republic), **Ailes Anciennes Toulouse** (Toulouse, France), **Aérocherche** (Toulouse, France), **ABSA 39-45** (Châteaubriant, France), **Aeroscope** (Bouguenais, France), **MFC** (Stockholm, Sweden), **Materia Viva** (Toulouse, France), **Aérothèque** (Blagnac, France)