



Co-funded by the Eco-innovation
Initiative of the European Union

ECOPROT

ECO-FRIENDLY CORROSION PROTECTING COATING OF ALUMINIUM AND MAGNESIUM ALLOYS

Funding scheme: CIP-Eco-Innovation – Pilot and market replication projects

Call identifier: CIP-EIP-Eco-Innovation-2012

Theme: CIP-EIP-2012.4.15 –SMEs green business

Grant Agreement: ECO/12/333104

Project start date: November 1st 2013

Duration: 30 months

Deliverable 6.11

Dissemination material

Due date of deliverable: 31/05/2016	Actual submission date: 27/07/2016	Reference period: 01/11/2013 – 31/05/2016
Consortium document classification code: ECOPROT-D6.11_27-06-2016	Lead Beneficiary: IPM ²	Dissemination level: PU



Content

1	EXECUTIVE SUMMARY.....	3
1.1	Description of the deliverable content and purpose.....	3
1.2	Deviation from objectives	3
2	DISSEMINATION MATERIAL.....	4
2.1	Flyer.....	4
2.2	Poster	5
2.3	Kakemono	6
2.4	Website.....	7
2.5	Video Clip.....	8
2.6	Twitter.....	9
2.7	PowerPoint presentation.....	9
2.8	Press / Paper.....	10



1 EXECUTIVE SUMMARY

1.1 Description of the deliverable content and purpose

This deliverable is reviewing all the means of communication, dissemination and promotion used from the very starting point of the project, at MIDEST exhibition in 2013 till its end at the SURFAIR conference in May 2016.

The objective was to first present the content of the project, its participants and the different stages of the work performed; the material was also supposed to attract the interest of the audience/reader/participants in the innovative details of the sol-gel process and its possible applications.

Visual support includes:

- flyers, posters and kakemonos of different sizes, updated during the project;
- the website containing both private and public information;
- twitter accounts used during the events;
- powerpoint presentations;
- video clip of the process;
- articles and papers made in Galvano Organo or in the proceedings of 10th ESEE.

1.2 Deviation from objectives

N/A.



2 DISSEMINATION MATERIAL

2.1 Flyer



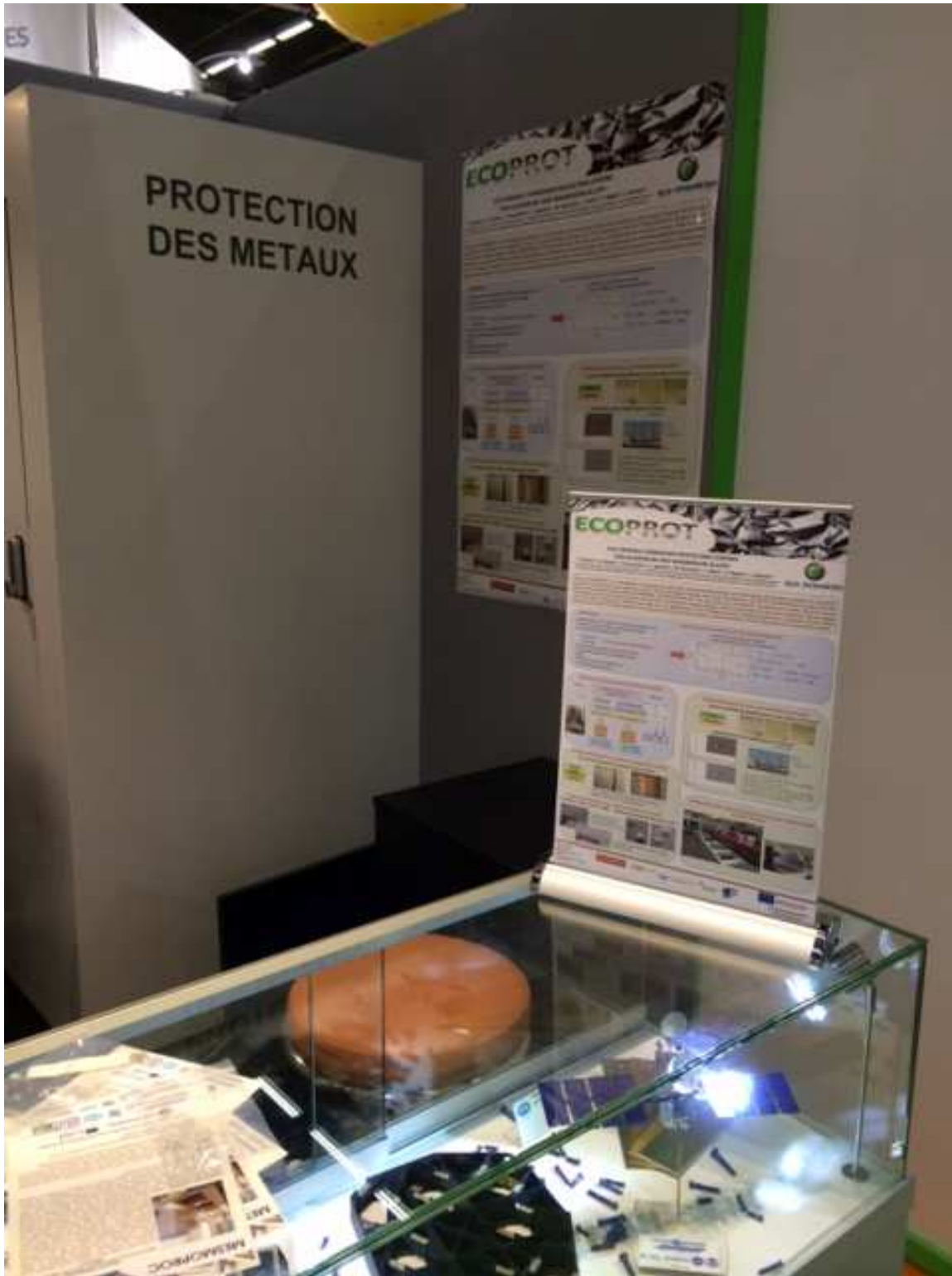


2.2 Poster





2.3 Kakemono





Co-funded by the Eco-innovation Initiative of the European Union

Deliverable 6.11
Dissemination material

Proj. Ref.: ECOPROT
ECO/12/333104
Page N°: 7 of 11

2.4 Website

HOME ABOUT ECOPROT LAST NEWS / EVENTS PARTNERS CONTACT US



What is ECOPROT

The aim of this project is to industrialise a procedure for producing glass-like, environmentally-friendly and self-healing cerium-based coatings for corrosion protection of aluminium and magnesium alloys. The coatings were developed in the FP6 Integrated Project, MULTIPROTECT, and the procedure was granted a patent.

[READ MORE](#)



Co-funded by the Eco-innovation Initiative of the European Union



2.5 Video Clip

Available on Youtube: <https://www.youtube.com/watch?v=0lsfQ2ak02I>

The image shows a screenshot of a YouTube video player. At the top left, the YouTube logo is visible with 'FR' next to it. A search bar contains the word 'Rechercher'. The video content area displays a title card with a blue oval logo containing 'P.M.' in white. Below the logo, the text reads 'Trials on Promet site' and 'Sol Gel-based process' in a large, black, serif font. The video player interface includes a progress bar at 0:10 / 9:45, and control icons for play, volume, and settings. Below the video, the title 'ECOPROT video' is shown, along with the channel name 'Pascal Nègré' and a 'S'abonner' button. The view count is '66 vues'. At the bottom, there are options for 'Ajouter à', 'Partager', and 'Plus', along with like and dislike icons.



Co-funded by the Eco-innovation Initiative of the European Union

Deliverable 6.11
Dissemination material

Proj. Ref.: ECOPROT
ECO/12/333104
Page N°: 9 of 11

2.6 Twitter



2.7 PowerPoint presentation





2.8 Press / Paper

Les PME, leader d'un projet européen ?

Un programme de recherche européen est en cours d'élaboration et de mise en œuvre pour 2014. Le projet de recherche est intitulé "EcoProt" et vise à développer des produits innovants pour la protection anticorrosion des revêtements en alliage d'aluminium et de magnésium, cœur du projet. L'entreprise française Quantis gèrera l'analyse du cycle de vie des produits.



Pascal Nègré, fondateur d'IPM.

Lancé le mois dernier en Espagne chez Tecnalia, Ecoprot, qui durera 30 mois, permettrait aux PME d'intégrer davantage l'éco-innovation dans l'ensemble des process de protection anticorrosion des revêtements en alliage d'aluminium et de magnésium, cœur du projet. L'entreprise française Quantis gèrera l'analyse du cycle de vie des produits.

N° 825 - Décembre 2013 GALVANO-ORGANO



Ecoprot, Eco-friendly Corrosion Protecting Coating of Aluminium and Magnesium Alloys, an ECO Innovation Project

Pascal Négre ^{a*}, Fabiola Brusciotti ^b, Marta Brizuela Parra ^b, Alicia Durán ^c,
Yolanda Castro Martín ^c, Laurence Hamon ^d, Jacques Halut ^e,

^a IPMF, 67 rue Ampère – 75017 Paris – France

^b Tecnalia, Parque Tecnológico de San Sebastián - Mikeletegi Pasealekua, 2 - E-20009 Donostia-San Sebastián - Gipuzkoa – Spain

^c Instituto de Cerámica y Vidrio (CSIC), Kelsen 5, Campus de Cantoblanco, 28049 Madrid – Spain

^d QUANTIS, 42 boulevard Sebastopol, 75003, Paris - France

^e Protection Des Métaux, 4 Rue Gracchus Babeuf, 93130 Noiny-le-Sec - France

*pascal@negre.be

The aim of this project is to industrialise a procedure for producing glass-like, environmentally-friendly and self-healing cerium-based coatings for corrosion protection of aluminium and magnesium alloys. The coatings were developed in a previous Integrated Project, MULTIPROTECT, and the procedure was granted a patent.

The new product is intended for the aeronautic market, where it will be introduced as an environmentally friendly alternative to conventional Cr-based coatings, which provided optimum corrosion protection, but with a major drawback represented by their toxicity. The market will first focus on the French aeronautic sector and will be further extended to address a wider geographical area. The specific objectives to achieve this target are the following:

- Optimization of the coating process for industrial applications (process scale-up)
- Validation of the coated products according to the high standards of the aeronautic industry, in order to ensure replication of the process
- Life cycle assessment of the entire process and the final product, taking into account all production stages, from raw materials to energy and water consumption, end-of-life, etc.
- Business plan to ensure penetration of the final product into the French aeronautic market as a first step and then extend it to other geographical areas.

Description of the proposed solution and summary of the work programme

This project will fill in the gap between the R&D activities that were carried out to develop the coating (MULTIPROTECT) and the commercialization of the final product. The coating systems will be set up to accomplish the specific need of the participating SME (PROMET) by optimizing compositions and synthesis conditions for each substrate and adapting to different primers and finishes, taking into account the current state of the art for each application.

The main idea is the production of the coated systems at PROMET with the collaboration of TECNALIA (the project coordinator) and CSIC (who owns the patent for the coating), then implementing the process for the achievement of the final product for the market. In parallel to this, Quantis will be involved in a Life Cycle Assessment (LCA) of the entire production line, taking into account all phases and integrated