



# (My) Experience in MSCA

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### **OUTLINE**



- Preparation of proposals for RISE-MSCA (H2020)
- Presentation of project SMARCOAT











# Previous experience

International Research Staff Exchange Scheme, FP7 large-scale projects...











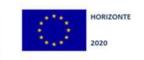
# Concept

Novelty, Time to market, 'Maturation' time, Previous failed/winning attempts...











# Networking

Intersectorial activities, previous projects and R&D activities... (do not expect a company to join a consortium just before deadline!)











# Transfer (sharing) of knowledge

Intersectorial activities, formation of researchers within a multidisciplinary environment (academia to industry and vice-versa)











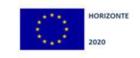
# Complementarity

Balanced roles, activities











#### Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)

#### **Project full title**

SMARCOAT-Development of Smart Nano and Microcapsulated Sensing Coatings for improving of Material Durability/Performance

#### **Project coordinator**

Dr. João Tedim, University of Aveiro (PT)

#### **Duration**

48 months

#### **Starting date**

01/01/2015

#### **Estimated eligible costs**

EUR 900,000.00 (nine hundred thousand EURO)











#### <u>AIM</u>

Impart sensing functionality and detect substrate degradation.

#### **TARGET**

Corrosion of metallic substrates and mechanical damage by impact on fibre reinforced plastics and composites, used as structural components in the vehicle industry worldwide.









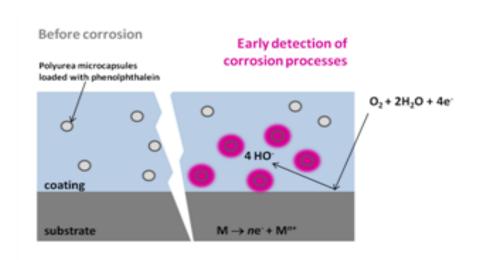


#### **HOW**

Sensing materials based on controlled release of active species.

#### **MAIN GOAL**

Produce coatings capable of sensing substrate degradation at early stages, making maintenance operations costeffective without jeopardizing safety.



F. Maia, J. Tedim, A.C. Bastos, M.G.S. Ferreira, M.L. Zheludkevich, *RSC Adv.*, 2014, 4, 17780-17786.





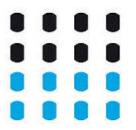








University of Aveiro Portugal



Helmholtz-Zentrum Geesthacht Germany



University of Latvia





Synpo Czech Republic



Belarusian State University
Belarus

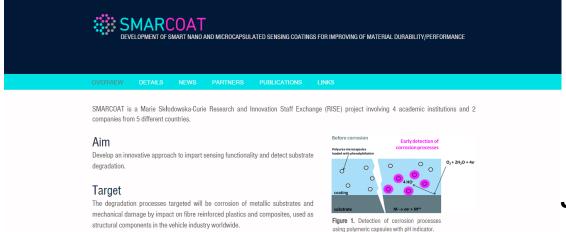








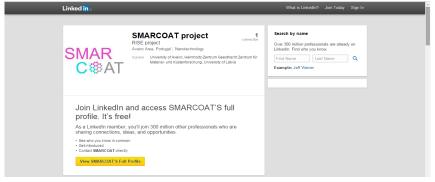




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#### http://smarcoatrise.wix.com/smarcoat







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