Centre for **FUN**ctional and Surface – functionalized **GLASS**es

FUNGLASS

HORIZON 2020

European Commission

Project H2020 – WIDESPREAD – 2014-1-664440

P A R T N E R S

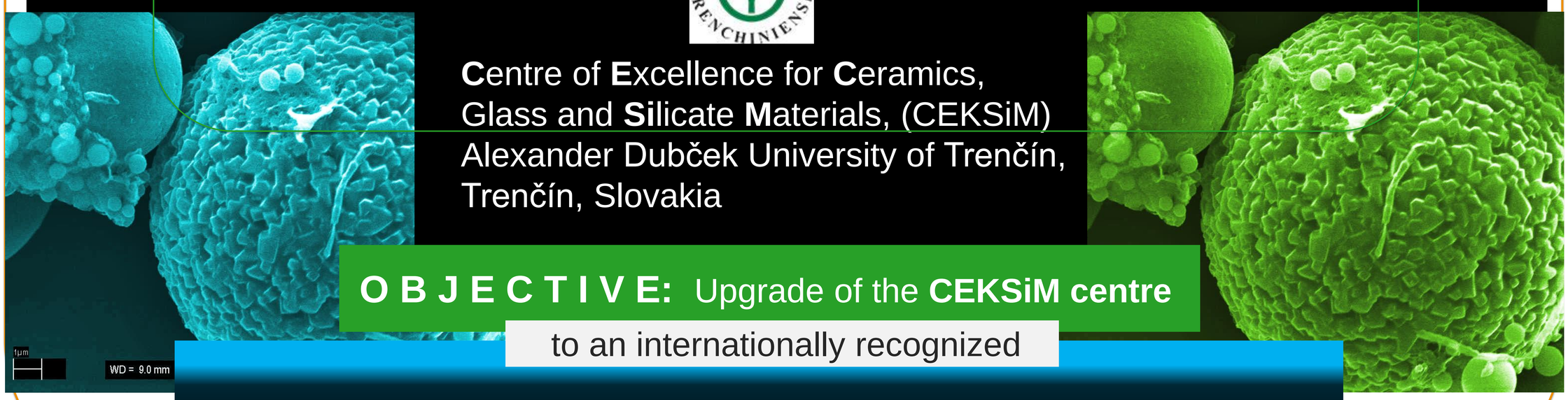
Institute for Ceramic and Glass, Spanish National Research Council, Madrid

Institute of Biomaterials Friedrich Alexander University, Erlangen-Nuremberg

Department of Industrial Engineering, University of Padova, Padova

Otto Schott Institute of Materials Research Friedrich Schiller University, Jena

Centre of **E**xcellence for **C**eramics, Glass and **Si**licate **M**aterials, (CEKSiM) Alexander Dubček University of Trenčín, Trenčín, Slovakia



O B J E C T I V E: Upgrade of the **CEKSiM centre**

to an internationally recognized

Centre for **Fun**ctional and Surface-functionalized **Glass**es

S P E C I A L I Z A T I O N

cutting edge research of glasses with special functional properties (luminescence, electric, sorption)

surface functionalization of conventional glasses, adding new functionalities.

A P P L I C A T I O N S

E N E R G Y
production (photovoltaics), saving (energy efficient lighting)

A U T O M O T I V E
hydrophylic/hydrophobic/ self-cleaning glasses

H E A L T H CARE
antibacterial/self-cleaning coatings
bioglass for personalized health care
controlled delivery and release of drugs

ENERGY EFFICIENT BUILDINGS
reflection, and anti-reflection coatings of glass panels
high strength construction elements

M I L E S T O N E S

Establishment of the Centre and its structures	2017
Management system for advanced research facilities	2017
Student and researcher exchange programs	2018
Building of premises, procurement of research infrastructure	2019
Hiring of research and administration staff	2017 - 2020
Completion of training of the research staff	2021
International graduate school issuing joint diplomas	2023
Achievement of financial self-sufficiency	2026

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