



**COST**

## **COST Action MP1307**

***Stable Next Generation Photovoltaics: Unraveling Degradation Mechanisms of Organic Solar Cells by Complementary Characterization Techniques.***

**2<sup>nd</sup> MC Meeting and 1<sup>st</sup> WG Meeting**

**Yulia Galagan**

**WP2: Context and Objectives**

**Hotel Condes de Barcelona, Barcelona, Spain. 8<sup>th</sup> -9<sup>th</sup> October, 2014**



# WG 2 Scientific context and objectives

- **Working Group Objective:**

To provide reproducible and large number of devices and test structures to the partners for the different degradation scenarios and, thereafter, non-destructive and destructive analysis.



# WG 2 Scientific context and objectives

- **Brief overview of the WG**
  - Number of members  
*Institutions: 21 Country 11*
  - Can you supply complete OPV samples?  
*Institutions: 14 Country 10*
  - Can you supply partial cells/components?  
*Institutions: 14 Country 11*
  - Can you supply modules?  
*Institutions: 7 Country 6*



# WG 2 Scientific context and objectives

- **Priorities for the WG:**

- Introduce research groups willing provide samples and test structures;
- Introduce types of devices available for the study;
- Identify parameters which we want to investigate within this project;
- Identify groups able to provide these variations;

- **Main deliverables:**

- To provide reproducible and large number of devices and test structures to the partners for the different degradation scenarios and, thereafter, non-destructive and destructive analysis



# WG 2 Scientific context and objectives

- **Research directions:**
  - The fabrication of state-of-the-art devices
    - For selecting the device structure advice from the industrial associates and the WG1 will be essential.
  - The fabrication of comparable test structures consisting of a few layers
    - The recommendations from experts in characterization in WG4 and WG 5 will be followed.



# Specific work Tasks for 09.10.2014

1. Introduce the groups willing to provide the samples;
2. Specific requirements to the samples;
3. Identify parameters for the investigations;
4. Identify groups which can provide such samples;
5. Identify amount of sample;
6. Set the start date and the deadline for samples preparation;



# WG Action Plan

- Get advice from GW1 and GW6 on type of samples can be interesting for the next experiment;
- Get advice from GW4 and GW5 on type of components can be interesting for the next experiment;
- Identify potential samples for the second round (based on feedback and the communication with other WGs);
- Create new experiments flows;
- Manufacture samples and components;
- Organize logistic of the samples and data collection;



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