

## 2<sup>nd</sup> SAVE<sup>2</sup> Workshop – October 8<sup>th</sup> 2020

“Moroccan-German University Alliance for Sustainable Added Value Creation through Education and Intelligent Energy” (SAVE<sup>2</sup>) is part of the Baden-Württemberg-STIPENDIUM for University Students – BWS plus, a program of the Baden-Württemberg Stiftung.

### Program

**Date:** October 8th 2020  
14h-18h – Morocco time | 15h-19h – German Time

**Location:** On GoToWebinar Platform  
Link will be included in the invitation letters upon registration at  
[www.t.ly/xEyd](http://www.t.ly/xEyd)

The SAVE<sup>2</sup> program and this workshop are based on a cooperation of:

Hochschule Offenburg, Institute of Energy Systems Technology	HSO-INES
Institut de Recherche en Energie Solaire et Energies Nouvelles, Rabat	IRESEN
morocco-formare gUG, Bühlertal	MF
Cadi Ayyad University, Marrakech	UCA
Ibn Zohr University, Agadir	UIZ

Website: [www.hs-offenburg.de/en/research/save2-alliance/](http://www.hs-offenburg.de/en/research/save2-alliance/)

Registration form: [www.t.ly/xEyd](http://www.t.ly/xEyd)

For inquiry and further information please contact Mr. Aboubakr BENAZZOUZ at  
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## Creating Perspectives through Joint Research and Innovation

To enable as many people in the world as possible to live in adequate prosperity and lasting peace is one of the great challenges of our time. A sustainable and intelligent use of our resources, especially energy and water, but also education and intercultural understanding, are important prerequisites for this. Scientists and educators have a responsibility to contribute through their research and innovation and to prepare young people accordingly.

It is in this context that the “Moroccan-German University Alliance for Sustainable Added Value Creation through Education and Intelligent Energy” (SAVE<sup>2</sup>) aims to make concrete contributions:

- By strengthening the cooperation between the Offenburg University of Applied Sciences and its Moroccan partner universities Cadi Ayyad in Marrakech and Ibn Zohr in Agadir, and the Institut de Recherche en Énergie Solaire et Énergies Nouvelles (IRESEN) in Rabat.
- By initiating concrete collaboration projects that combine research and innovation with direct social benefits, for example by using innovative technologies in pilot projects with aid organizations and supporting them at the same time,
- By providing exchange opportunities for students and university members to create the basis for sustainable and trusting cooperation.

SAVE<sup>2</sup> is part of the Baden-Württemberg-STIPENDIUM for University Students – BWS plus, a program of the Baden-Württemberg Stiftung, and will initially run until 2021. The project is based on an existing trusting cooperation between Offenburg University of Applied Sciences with its Moroccan partners and the non-profit organization morocco-formare gUG of Bühlertal within the framework of the GREENLIGHT student initiative.

IRESEN is hosting the second workshop with the motivation to achieve the following objectives:

- Keep SAVE<sup>2</sup> Alliance and German-Moroccan collaborations alive in spite of COVID-19
- Present past activities and achievements of the program
- Propose opportunities for future cooperation (student exchange, joint research programs)
- Provide a platform for scientists who have not yet been involved in SAVE<sup>2</sup> to get to know the program and make new contacts for German-Moroccan research collaborations
- Provide a platform for participants of the first workshop to continue their discussions on common research interests

At this second workshop, cooperation possibilities in the areas of Solar Energy, Advanced Building Technology, Power-to-X, Biomass, Smart Grids, Electromobility, Energy Management and Education will be further explored. The main goal is to bring together the right people with common interests and give them plenty of opportunity to exchange ideas. The second workshop will as well present past activities and achievements of the program, offer opportunities for future cooperation, continue discussion between scientists involved in the program and make new contacts for Moroccan-German partnership and collaboration.

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#### The Organizing Committee

Prof. Dr. Michael Schmidt, Simone Schede (Offenburg University)  
Dr. Karl-Heinz Sternemann (morocco-formare gUG, Bühlertal)  
Badr Ikken, Aboubakr Benazzouz (IRESEN, Rabat)  
Prof. Dr. Ahmed Ihlal (Ibn Zohr University, Agadir)  
Prof. Dr. Abdelkader Outzourhit (Caddi Ayyad University, Marrakech)

#### **Baden-Württemberg-STIPENDIUM**

The Baden-Württemberg-STIPENDIUM supports the international exchange of students and vocationally qualified people. Since 2001, it has enabled more than 20,000 young people from Baden-Württemberg to gain experience abroad and allowed scholarship holders from other countries to visit Baden-Württemberg. Approximately 1,500 young people receive a Baden-Württemberg-STIPENDIUM each year.

[www.bw-stipendium.de](http://www.bw-stipendium.de)

#### **Baden-Württemberg-STIPENDIUM for University Students – BWS plus**

With the Baden-Württemberg-STIPENDIUM for University Students – BWS plus, the Baden-Württemberg Stiftung supports innovative joint projects between universities from Baden-Württemberg and their international partners. The program, which is endowed with approximately 1.2 million euros annually, was announced for the first time in 2011. Since then, more than 70 BWS plus projects have been supported at universities in Baden-Württemberg.

#### **Baden-Württemberg Stiftung**

The foundation Baden-Württemberg Stiftung is committed to creating a vibrant Baden-Württemberg worth living in. It paves the way for cutting-edge research, diverse educational activities and responsible interactions with our fellow human beings. The Baden-Württemberg Stiftung is one of the major operational foundations in Germany. It is the only one that invests exclusively and non-partisanly in the future of Baden-Württemberg – and thus in the future of its citizens.

[www.bwstiftung.de](http://www.bwstiftung.de)

#### **Institut de Recherche en Energie Solaire et Energies Nouvelles (IRESEN)**

IRESEN is a research institute created in 2011 by the Ministry of Energy, Mining, Water and Environment, with the participation of several key players of the energy sector in Morocco devoted to accompany the national energy strategy, by supporting the research and innovation used in the field of solar energy and new energies. The Institute is positioned in the field of R&D through its funding agency and its research center, offering multiple opportunities for synergies between the socio-economic world and the scientific world around collaborative R&D projects.

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## Program – October 8<sup>th</sup> 2020

Moroccan time	German time		Notes
14:00	15:00	<b>Welcome</b>	Welcome speech from the organizing committee
14:15	15:15	<b>Session I: The SAVE<sup>2</sup> program – Overview and past achievements</b>	
14:15	15:15	Overview SAVE <sup>2</sup> program (Michael Schmidt, project lead)	highlighting research areas and collaborations taking part in the frame of the SAVE <sup>2</sup> project
14:25	15:25	Recap of first workshop at Offenburg, April 2019	
14:35	15:35	Student project: Flexible system for PV monitoring and energy management (Amine Aamoume)	
14:45	15:45	Student project: Data analysis of distributed irradiance data from ISInet (Sara Foulad)	
14:55	15:55	Solar Decathlon Africa (Jens Pfafferott)	
15:05	16:05	<b>Break</b>	20 minutes break
15:15	16:15	<b>Session II: Collaboration and funding opportunities</b>	
15:15	16:15	Overview of funding programs	
15:25	16:25	Best case: DAAD doctoral tandem project (Jens Pfafferott)	
15:35	16:35	Best case: North-African collaboration project (Axel Sikora)	
15:45	16:45	Research topics and opportunities for students and exchange researchers, e.g. at IRESEN Green Energy Park and HSO-INES, especially including topics GER/MAR students and researchers can work on remotely, with supervision from both sides	
15:55	16:55	<b>Break</b>	20 minutes break
16:15	17:15	<b>Session III: Discussions on joint research interests</b>	
16:15	17:15	Introduction / explanations	Session leaders will be communicated later.
16:25	17:25	Parallel breakout rooms for specialized topics are offered based on the feedback in the participants' registrations , e.g. <ul style="list-style-type: none"> <li>• AI and machine learning in energy and agriculture management</li> <li>• Green buildings, e-mobility, microgrids and PV, networks of microgrids</li> <li>• Intelligent schools, education, e-learning (with focus on university education and/or SAVE<sup>2</sup> objectives)</li> </ul>	
17:30	18:30	Wrap-up within each breakout group	Different links will be used to join the breakout rooms on the same platform.
17:45	18:45	<b>Closing and virtual group photo</b>	Virtual group photo
18:00	19:00	<b>End of workshop</b>	

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