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Building Integration of Solar Thermal Systems – TU1205 – BISTS

WG2 parallel session: Modelling and Simulation of BISTS


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Agenda

- 1- Welcome to participants
- 2- Objectives, deliverables and working programme
- 3- Distribution of tasks
- 4- Timetable of work

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Participants


Christoph Cappel (Germany)
 Muhsin (Turkey)
 Mirko (Serbia) → will joint Danijela and Milorad in WG2 from now on.
 Adolfo (Italy) → Brief presentation of research lines related to WG2 from U. Naples.
 Kostas Christofi (Cyprus)
 Daniel Chemisana (Spain)



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Deliverables and Milestones


- **Deliverables** include:
 - D 2.1. Review of current STS modelling techniques. This review will also be submitted as a joint partner publication in a peer reviewed journal (Month 12)
 - D 2.2. Annual STSM for PhD students and Early Stage Researchers on theoretical modelling and numerical simulation of thermal behaviour of BISTS (Month 6, 18, 30, 42)
 - D 2.3. Annual Training School for dissemination of expertise to PhD students and Early Stage Researchers (Month 18, 30, 42). This will include topics on theoretical modelling and numerical simulation of thermal behaviour of BISTS.
 - D 2.4. Report on the validation of developed codes, both thermal and optical (Month 30). **Manolis Souliotis and Lacour Ayompe & Danijela and Christoph C.**
 - D 2.5. Report on the new models developed during the project and potential for adaptation for RES (Month 42). Muhsin Kiliç and Joao Ramos & **Aritra**
 - D 2.6. Report on the development of new models for innovative integrated STS applications (Month 46). Jayanta Mondol and Milorad.
- **Milestones:**
 - 2.1 New validated mathematical and numerical models to predict the BISTS performance
 - 2.2 New validated models to optimize BISTS in innovative RES applications


1st Year



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MINUTES CYPRUS


- The structure of the deliverable and the next steps for preparing the pre-final drafts → **Done**
- First week of January to collect references additional to the draft review. The references to be framed with the Title, Authors, Year, City, Country, Conference, Date. (Daniel) → **Done**
- Jayanta, Daniel and Chryssa to organise the information and to sum up the context and the outcomes.. → **Done**
- Create a dynamic list in a dropbox folder. Daniel to create and invite. → **Done**
- Contents update with feedback → **Done**



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MINUTES CYPRUS

- 20th of December Proposals of STSM → **Chryssa Lamnatou STSM to U. of Corsica, 5 weeks. 3 proposals from Milorad (5 days each)**
- Decision of STSM → **Chryssa STSM on going, 2 of Milorad accepted (recommended to be 2 weeks instead of 1).**
- Meeting Corsica: Training schools topics discussion.**
 - Period: from 15th to 30th Sept.**
 - Milorad, Ricardo and Alberto explained that they have specific courses on Energy+, Trnsys, OpenStudio, GenOpt, DesignBuildir and SimaPro.**
 - The link of the courses will be sent to all the members.**



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MINUTES CORSICA

- Next week WG2 members will revise the “final” version of deliverable 1.
- 15th April submission of deliverable 1.
- End of April, to share the information of simulation courses we have in the institutions involved in WG2. Milorad, Ricardo, Adolfo & Alberto/Daniel. The summary report of the courses available will be send to the SG.
- Before or during the next meeting (Sept). Depending on the next meetings schedule to think about the best possibility to organize the WG training school.
- Mid June to send to Daniel the doi number of the published validated codes (at collector, system or building level) .

