**Motivation:**

“Outdoor testing is a must, but it takes too long to be of much use as a decision maker. We clearly cannot wait 25 years even a significant fraction of 25 years to introduce a new product. Therefore we must develop and utilize accelerated testing to qualify these new products.”

John Wohlgemuth

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**Ground Cover Reflection - Albedo**

**Module Mounting**

**Climate Data Analysis**

**Considerations:**

- **Representative Climates:**
  - Hot Arid (e.g. Phx, AZ)
  - Desert (Phoenix) track
  - Desert (Phoenix) roof
  - Tropical Subtropical (e.g. Mia. FL)

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**Total Irradiance data and analysis – Phoenix**

**Irradiance Data**

- Goal: establish references for:
  - Irradiance set points
  - Dosage levels by climate/application

**Considerations:**

- Representative Climates - PV & service Environment
  - Hot Arid
  - Desert (Phoenix)

**Future work – Consensus & Validation**

- Addressing Open questions
- Developing interim standards e.g. “Qualification plus”
- Refinement and Validation

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**Summary: Microclimate Descriptors**

**Future microclimate goals**

- Addressing Open questions
- Developing interim standards e.g. “Qualification plus”
- Refinement and Validation

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**Module Mounting**

**Considerations:**

- **Representative Climates:**
  - Hot Arid (e.g. Phx, AZ)
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