

# Swiss contributions to ILWS

## Bremen DLR, July 17, 2010

Werner Schmutz (PMOD/WRC)  
representing Swiss Space Office  
(status not officially approved)

→ solar irradiance monitoring

PMOD/WRC is building hardware for irradiance monitoring

# Total Solar Irradiance

## operating and planned Swiss experiments

VIRGO/SOHO      1996 - 2010 - 2011 +extension

PREMOS-TSI/PICARD      2010 - 2013 - 2016

DARA/PROBA3 (phase B)      launch 2015 ???

RAD/KuaFu-A (pre-phase A study)      2014/15

RAD – TSI experiment comprising:

SIM = Solar Irradiance Monitor (CN)

DOR = Davos Observatory Radiometer (CH)

Interest in TSI contribution to SOLAR-C plan A (out of ecliptic)

# Spectral Irradiance Monitoring

## operating and planned Swiss experiments

Optical:	VIRGO/SOHO	1996 -	2011 -	+ extension
UV, EUV	LYRA/PROBA2	2009 -	2012	
Opt., UV	PREMOS-PFR/PICARD	2010 -	2013 -	2016

Interest in:

UV flux monitor for ESA's SSA program

# Total Solar Irradiance

## Status of TSI observations

→ COSPAR presentation:

Total Solar Irradiance: Present status of TSI observations – Challenges for the future

COSPAR-10 Symposium D, Session 21

Solar Variability, Cosmic Rays, and Climate