**Minutes of TSVV-7 Team Meeting 15.02.2022**

Participants: D. Matveev, K. Schmid, J. Mougenot, E. Hodille

1. Most of sub-projects progress according to plan / task specification:
   1. Soret effect and equilibrium interface models implemented
      1. Cross-code comparison for Soret effect and kinetic vs equilibrium interface to be done -> Klaus sends respective cases to Jonathan
   2. Implementation of neutron damage creation and damage stabilization
      1. Damage stabilization model from M. Pecovnic (ref. D. Kato for DFT)
      2. Creation-relaxation algorithm (CRA) from D. Meson
      3. Experimental data for self-damaged W (TDS etc)
      4. Trap annealing not considered so far (temperature effect)
   3. Modelling of retention and permeation in DEMO (so far without n- or He-effects)
      1. Main wall: paper by R. Arredondo using CX fluxes from S. Lisgo (ITER)
      2. Divertor: PSI contribution from CEA/USPN (const. trap density, conc. b.c.)  
         -> contact D. Tskhakaya for fluxes and ion energy distributions from PIC  
         -> contact WPDIV for current monoblock design -> SOLVED
   4. He bubble model in FESTIM: so far only indirect connection to H transport model
      1. He bubble bursting model in development
2. ACH support:
   1. ~4 PM still available in 2022: can be for RAVETIME, SDTrimSP3D, IMASization
3. DEMO geometry, equilibrium and plasma solution:
   1. Baseline equilibrium 2017, geometry and SOLPS-ITER plasma solution available from DCT (F. Subba 2021), not fully DEMO relevant, upgrade to come in 2022
4. EUROfusion Standard Software -> clarify the licensing solution for code dissemination
5. IMASization
   1. What do we want to exchange between the codes within TSVV?  
      -> discussions to be organized between code users

-> list of input/output data by the codes (incl. data type, dimensionality, size, etc)

* 1. Are there proper data fields for PWI within IMAS?  
     -> clarify who will implement new, currently missing data fields (ACH, E-TASC SB)
  2. 2022: IMAS compatibility requirements and implementation workplan  
     2023: practical work with ACH support
  3. IMAS training 2021:   
     <https://docs.psnc.pl/display/WFMS/Tutorial+-+adapting+codes+to+IMAS>