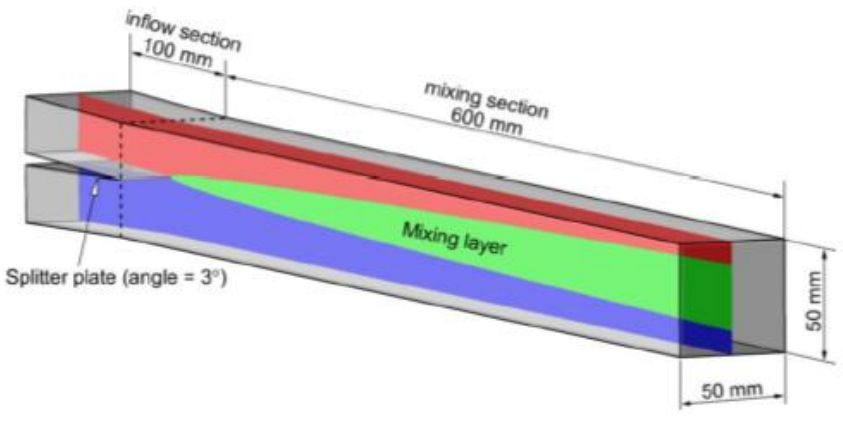


SUpport to SAfety ANalysis of Hydrogen and Fuel Cell Technologies

Verification type	Sensitivity Studies (Grid and Parameter sensitivity)
Database reference	SEN-10
Topic / Application	Nuclear Safety Uncertainty Quantification
Physics	Shear flows Mixing
Summary	Paper explores impact of uncertain inputs on the results of a CFD study
Description	Paper explores impact of uncertain inputs on the results of a CFD study, generating a PDF of the “system response” to these inputs.
Case Title	UNCERTAINTY QUANTIFICATION OF THE EFFECT OF RANDOM INPUTS ON COMPUTATIONAL FLUID DYNAMICS SIMULATIONS OF THE GEMIX EXPERIMENT USING METAMODELS
Authors	A. Badillo, B. Ničeno, J. Fokken and R. Kapulla, J. Ko, J. Galpin
Year	
Online reference	AREVA NP SA
Case image	
Governing equations	
Results	