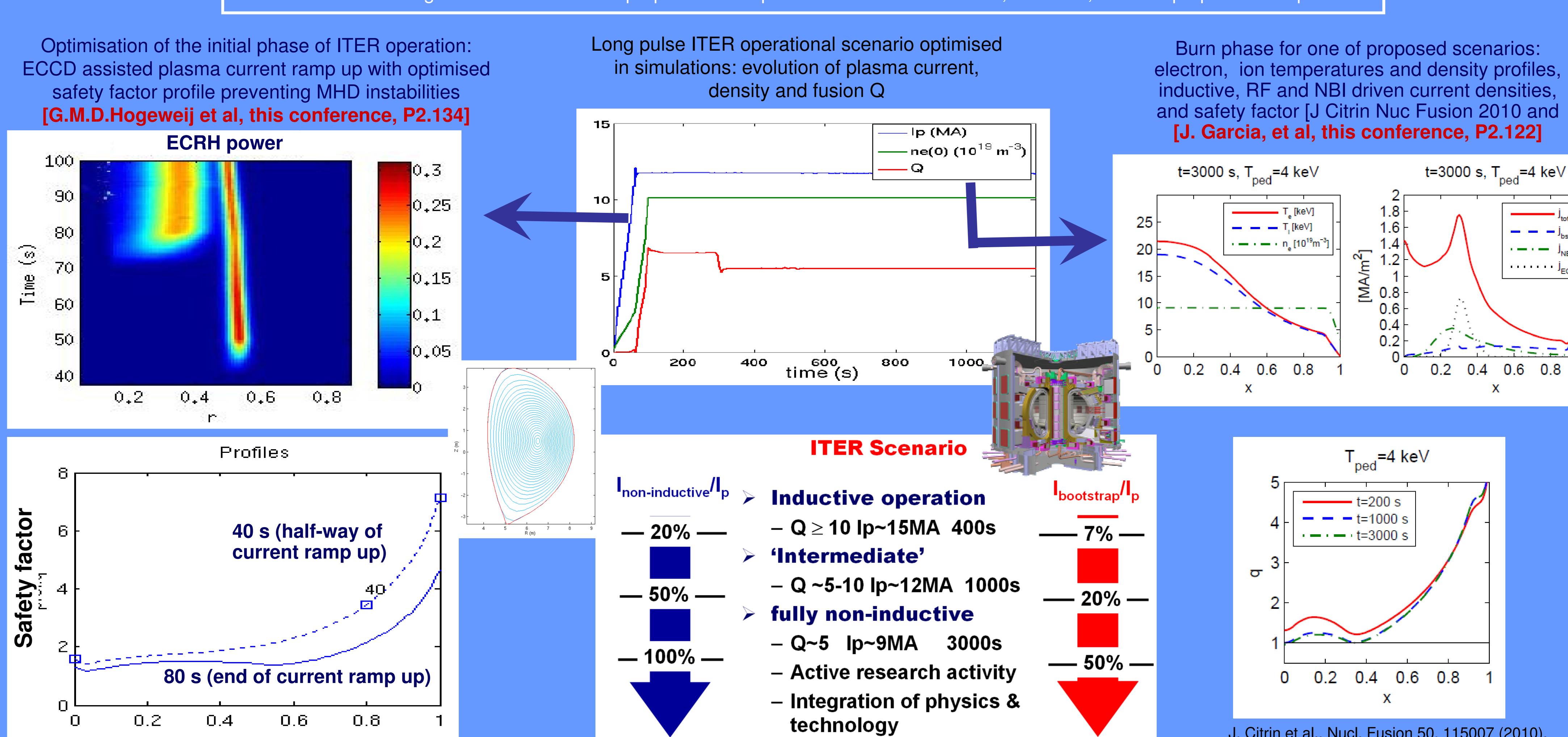
## EFDA Task Force Integrated Tokamak Modelling EUROPEAN FUSION DEVELOPMENT AGREEMENT

## ITER Scenario Modelling (ISM)

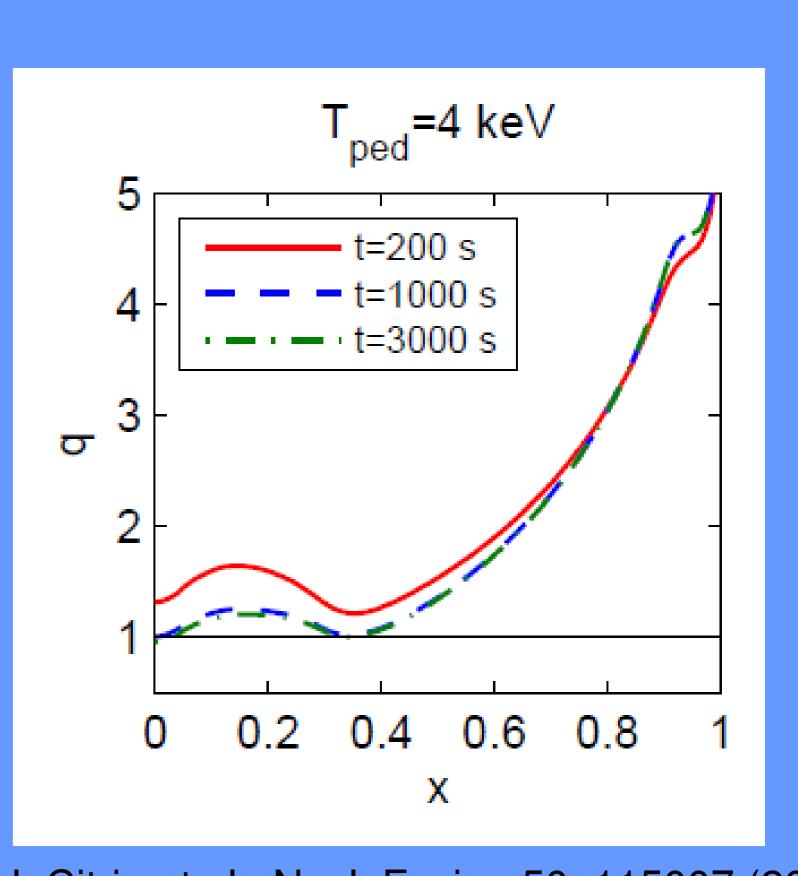
## Integrated scenario modelling is essential to prepare ITER plasma operation

ISM group within ITM-TF provides support to:

- interpretative and predictive integrated scenario modelling on existing EU experiments: model validation
- scenario modelling activities to cover the preparation of operational scenario for ITER, JT60-SA, DEMO: prepare safe operation



Burn phase for one of proposed scenarios: electron, ion temperatures and density profiles, inductive, RF and NBI driven current densities, and safety factor [J Citrin Nuc Fusion 2010 and [J. Garcia, et al, this conference, P2.122]



J. Citrin et al., Nucl. Fusion 50, 115007 (2010).

EFDA ITM-TF Expo "The European Integrated Modelling effort : challenges and achievements" – 38th EPS 2011 X. Litaudon, CEA, I. Voitsekhovitch, CCFE, ISM