

# A TRIBUTE TO JOEL NOILHAN

## 21-22 March 2019 (CIC, Météopole)

### PROGRAMME

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Thursday 21 March 2019

08h45 : Registration

09h00 : Introduction and welcome speech

#### Early days (chair : C. Blondin)

09h15 : Overview of the scientific career of Joël (*J.-C. André and P. Bougeault, CNRM*)

09h45 : State of the art of land surface schemes before ISBA (*A. Beljaars, ECMWF*)

10h15 : Genesis of the land surface scheme ISBA (*S. Planton, ex-CNRM*)

10h30 : First intercomparison projects with Joël (*J.-F. Mahfouf, CNRM*)

#### 10h55 : Coffee break and group photo

11h25 : Remote tributes (1)

#### Joël and field campaigns (chair : J.-C. Calvet)

11h35 : The role of field campaigns (*P. Bessemoulin, ex-CNRM*)

11h55 : Land surface interactions : CARBO-EUROPE (*C. Sarrat, ONERA*)

12h15 : Land surface interactions : fog modelling (*T. Bergot, CNRM*)

#### 12h30 : Lunch

#### National and international collaborations (chair : J.-F. Mahfouf)

13h50 : 40 years of World Climate Research – where do we go ? (*P. Kabat, WMO*)

14h30 : Progress in knowledge from synergy between modelling and observations (*I. Braud, IRSTEA*)

14h45 : Use of ISBA in HIRLAM (*P. Samuelsson, SMHI*)

15h00 : Surface-atmosphere interactions and the impact of lakes on climate (*R. Salgado, Univ. Evora*)

15h15 : ISBA in very high mountains (Andes and Himalaya) (*P. Chevallier and coll., HSM*)

#### 15h30 : Coffee break

16h00 : Remote tributes (2)

## **Applications and evolutions of the ISBA scheme (1) (chair : V. Masson)**

16h10 : ISBA for numerical weather prediction (*S. Bélair, ECCC*)

16h40 : ISBA and hydrological modelling (*F. Habets, ENS*)

17h10 : ISBA and cold climates (*A. Boone, CNRM*)

17h40 : End of day 1

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**Friday 22 March 2019**

## **Applications and evolutions of the ISBA scheme (2) (chair : C. Lac)**

09h30 : ISBA for climate modelling (*B. Decharme CNRM*)

09h45 : ISBA and the carbon cycle (*C. Delire, CNRM*)

10h05 : How Joël and ISBA inspired the town model TEB (*V. Masson, CNRM*)

**10h30 : Coffee break**

11h00 : Remote tributes (3)

11h10 : Satellite data and ISBA : physiography (*J.-L. Champeaux, ex-CNRM*)

11h30 : Satellite data and ISBA : assimilation (*J.-C. Calvet, CNRM*)

## **Looking into the future (chair : A. Boone)**

11h55 : Ongoing evolutions within SURFEX (*P. Le Moigne, CNRM*)

12h15 : Challenges towards Earth System Modelling (*G. Balsamo, ECMWF*)

12h45 : Closure of the symposium