

International Modelling Platform 2021 Workshop

A joint IMAGINE/AFD/IMACLIM event

To be held online from **September 6 to 10**.

All times below **CEST**. **This version dated September 10.**

Timeline

Monday, September 6

- 12:00-12:30 **Welcome address & word on IMP activities**
IDDRI, AFD, CIRED
- 12:30-13:30 **WG1 Agriculture, Land-use, Land-use change and Forestry**
Moderated by IDDRI
AFOLU accounting in FABLE tools
Presentation by Aline Mosnier, UNSDSN. Discussion.
- 13:30-14:30 **Long break**
- 14:30-15:30 **WG1 Agriculture, Land-use, Land-use change and Forestry**
Moderated by IDDRI
Modelling the water resource in GCAM
Presentation by Mohamad Hejazi, KAPSARC. Discussion.
- 15:30-15:45 **Short break**
- 15:45-16:45 **WG2 Energy transition**
Moderated by IIMA
LEAP Argentina: recent improvements and energy transition modelling challenges
Presentation by Francisco Lallana and Marina Recalde, Fundación Bariloche.
Discussion.

Tuesday, September 7

- 12:30-13:30 **WG2 Energy transition**
Moderated by CIRED

Modelling the value of hydrogen solutions towards carbon neutrality in POLES
Presentation by Silvana Mima, GAEL. Discussion.

13:30-14:30 **Long break**

14:30-15:30 **WG2 Energy transition**

Moderated by CIRED

Modelling the water-energy nexus in AIM-Enduse

Presentation by Saritha Vishwanathan, NIES/IIMA. Discussion.

15:30-15:45 **Short break**

15:45-16:45 **WG3 Finance**

Moderated by CIRED

Disequilibrium monetary stock-flow consistent models in continuous time - The GEMMES approach

Presentation by Devrim Yilmaz, AFD. Discussion.

Wednesday, September 8

12:30-13:30 **WG3 Finance**

Moderated by CIRED

Modelling the macro finance of energy transitions: a survey

Presentation by Quentin Couix, CIRED. Discussion.

13:30-14:30 **Long break**

14:30-15:30 **WG7 Macroeconomics**

Moderated by Fundación Bariloche

LEAP-IMACLIM Argentina: first developments and possible improvements/scope extension

Presentation by Gonzalo Bravo, Fundación Bariloche. Discussion.

15:30-15:45 **Short break**

15:45-16:45 **WG7 Macroeconomics**

Moderated by Fundación Bariloche

Model closures and theoretical uncertainty in E3 modelling

Presentation by Auriane Meilland, CIRED. Discussion.

Thursday, September 9

12:30-13:30 **WG5 Industrial mitigation**

Moderated by CIRED

Industrial modelling in South Africa: current methodologies and inherent issues with them

Presentation by Bryce McCall, ESRG-UCT. Discussion.

- 13:30-14:30 **Long break**
- 14:30-15:30 **WG7 Macroeconomics**
Moderated by Fundación Bariloche
Empirical estimates of the elasticity of substitution of a KLEM production function without nesting constraints
Presentation by Frédéric Reynès & Paul Malliet, OFCE. Discussion
- 15:30-16:00 **Break**
- 16:00-17:00 **WG8 Technical challenges from data sources to output**
Moderated by CIRED
Data pipelines with workflow management tools
Presentation by Jonas Hörsch, Climate Analytics. Discussion

Friday, September 10

- 12:30-13:30 **WG1 Agriculture, Land-use, Land-use change and Forestry**
Moderated by IDDRI
Socio-economic impacts of climate change in Vietnam: a macroeconomic assessment
Presentation by Étienne Espagne, AFD. Discussion.
- 13:30-14:30 **Long break**
- 14:30-15:30 **WG6 Jobs, job quality, and just transition**
Moderated by ESG-UCT
A segmented labour market model and studies of skills in energy transition
Presentation by Jules Schers, ESG-UCT. Discussion
- 15:30-15:45 **Short break**
- 15:45-16:45 **WG8 Technical challenges from data sources to output**
Moderated by Climate Analytics
Calibration of large System dynamics model using CMA-ES
Presentation by Antoine Godin, AFD. Discussion

List of presentations by working group

WG1 Agriculture, Land-use, Land-use change and Forestry

- Mon. 6 12:30 *AFOLU accounting in FABLE tools.* Aline Mosnier, UNSDSN
- Mon. 6 14:30 *Modelling the Water Resource in GCAM.* Mohamad Hejazi, KAPSARC.
- Fri. 10 12:30 *Socio-economic impacts of climate change in Vietnam.* Étienne Espagne, AFD.

WG2 Energy transition

- Mon. 6 15:45 *LEAP Argentina: recent improvements and energy transition modelling challenges.* Francisco Lallana & Marina Recalde, Fundación Bariloche.
- Tue. 7 12:30 *Modelling the value of hydrogen solutions towards carbon neutrality in POLES.* Silvana Mima, GAEL.
- Tue. 7 14:30 *Modelling the water-energy nexus in AIM-Enduse.* Saritha Vishwanathan, NIES/IIMA.

WG3 Finance

- Tue. 7 15:45 *Disequilibrium monetary stock-flow consistent models in continuous time - The GEMMES approach.* Devrim Yilmaz, AFD.
- Wed. 8 12:30 *Modelling the macro finance of energy transitions: a survey.* Quentin Couix, CIREN.

WG5 Industrial mitigation

- Thu. 9 12:30 *Industrial modelling in South Africa: current methodologies and inherent issues with them.* Bryce McCall, ESG-UCT.

WG6 Jobs, job quality, and just transition

- Fri. 10 14:30 *A segmented labour market model and studies of skills in energy transition.* Jules Schers, ESG-UCT.

WG7 Macroeconomics

- Wed. 8 14:30 *LEAP-IMACLIM Argentina: first developments and possible improvements/scope extension.* Gonzalo Bravo, Fundación Bariloche.
- Wed. 8 15:45 *Model closures and theoretical uncertainty in E3 modelling.* Auriane Meilland, CIREN.

Thu. 9 14:30 *Empirical estimates of the elasticity of substitution of a KLEM production function without nesting constraints.* Frédéric Reynès & Paul Malliet, OFCE.

WG8 Technical challenges from data sources to output templates

Thu. 9 16:00 *Data pipelines with workflow management tools.* Jonas Hörsch, Climate Analytics.

Fri. 10 15:45 *Calibration of large System dynamics model using CMA-ES.* Antoine Godin, AFD.

List of attendees

AIT FARAJI Said	DEPF, MinEF	Morocco
ANDRADE PORTELA Jhan Jhailer	UNAL	Colombia
AVASHIA Vidhee	IIMA	India
BAENA HERNANDEZ Sara Alejandra	DNP	Colombia
BARATGIN Laure	CIRED	France
BARBOSA NARANJO Santiago	DNP	Colombia
BEHNISCH Aliosha	Fundación Bariloche	Argentina
BENBRAHIM Hatim	DEPF, MinEF	Morocco
BEN-KHALIFA Nihed	ITCEQ	Tunisia
BEN-NASR Swasen	ITCEQ	Tunisia
BOER Rizaldi	ITB	Indonesia
BRAVO Gonzalo	Fundación Bariloche	Argentina
BUIRA Daniel	Tempus Analítica	Mexico
BURTON Jesse	ESRG, UCT	South Africa
CARVALHO Erika	COPPE, UFRJ	Brazil
CASTANO SALAS Santiago	UNAL	Colombia
CHAFIQ Adnane	DEPF, MinEF	Morocco
CRQUI Patrick	GAEL	France
DAGHARI Issam	ITCEQ	Tunisia
DAROUICH Naima	DEPF, MinEF	Morocco
DAUMAS Louis	CIRED	France
DEWI(RETNO) Gelang	ITB	Indonesia
DOUZAL Clara	UNSDSN	International
EL ALAMI Lalla Hanane	DEPF, MinEF	Morocco
EL GHOLABZOURI Rabia	DEPF, MinEF	Morocco
ERRAHMANI Ahlam	DEPF, MinEF	Morocco
ESPAGNE Etienne	AFD	France
FERRAZZO NASPOLINI Giovanna	COPPE, UFRJ	Brazil
GARCÍA MARTINEZ Pablo	Fundación Bariloche	Argentina
GARG Amit	IIMA	India
GHERSI Frédéric	CIRED	France
GIDDEN Matthew	Climate Analytics	Germany
GODIN Antoine	AFD	France
GUEVARA CASTANEDA Diego Alejandro	UNAL	Colombia
HEJAZI Mohamad	KAPSARC	Saudi Arabia
HELDMAN Benedikta	Climate Analytics	Germany

HERNANDEZ DIAZ Gustavo Adolfo	DNP	Colombia
HERNANDEZ PEÑALOZA Mateo	UNAL	Colombia
HERNANDEZ Thalia	Tempus Analítica	Mexico
HÖRSCH Jonas	Climate Analytics	Germany
IRELAND Gregory	ESRG, UCT	South Africa
KERAMIDAS Kimon	GAEL	France
LA ROVERE Emilio	COPPE, UFRJ	Brazil
LALLANA Fran	Fundación Bariloche	Argentina
LE TREUT Gaele	CIREC	France
LECOCQ Franck	CIREC	France
LEFEVRE Julien	CIREC	France
MAGACHO Guilherme	AFD	France
MAHESHWARI Jyoti	IIMA	India
MALAYATI Marissa	NIES	Japan
MANTES Achilleas	AFD	France
MARQUARD Andrew	ESRG, UCT	South Africa
MATHY Sandrine	GAEL	France
MC CALL Bryce	ESRG, UCT	South Africa
MEILLAND Auriane	CIREC	France
MEJIA ASCAINO Yehison	DNP	Colombia
MERVEN Bruno	ESRG, UCT	South Africa
MIMA Silvana	GAEL	France
MOSNIER Aline	UNSDSN	International
NAG Tirthankar	IIMA	India
NGUYEN Thi Thu Ha	Université de Rouen	Vietnam
NINO Pedro	COPPE, UFRJ	Brazil
PATANGE Omkar	IIMA	India
PERIN Lucie	CIREC	France
PIERROS Christos	UNAL	Colombia
PONCET Jordan	UNSDSN	International
RAIS Imane	DEPF, MinEF	Morocco
RECALDE Marina	Fundación Bariloche	Argentina
ROBAYO Juan David	DNP	Colombia
ROJAS RODRIGUEZ Leonardo	UNAL	Colombia
ROSSITA Annuri	ITB	Indonesia
SANZ María José	B3C	Spain
SCHAEFFER Michiel	Climate Analytics	Germany
SIAGAN Ucok	ITB	Indonesia

SVENSSON Johannes	IDDR1	France
TENG Fei	EEE, Tsinghua University	China
TORRES Marta	IDDR1	France
TOUNSI Sihame	DEPF, MinEF	Morocco
TOVILLA Jordi	Tempus Analítica	Mexico
TROLLIP Hilton	ESRG, UCT	South Africa
VALDECANTOS Sebastian	UNAL	Colombia
VAN DE VEN Dirk-Jan	B3C	Spain
VISHWANATHAN Saritha	NIES/IIMA	Japan/India
VIVIER Lucas	CIREC	France
WAISMAN Henri	IDDR1	France
WILLS William	COPPE, UFRJ	Brazil
YAWALE Satish	NIES	Japan
YILMAZ Devrim	AFD	France