

**SSAFR2026 - San Sebastian - Spain.  
May 17 - May 21 2026  
PROGRAM**

**Sunday, 17th May 2026 – Conference Day 0.**

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| 18:30 - 20:15 | Registration desk open.<br><b>Reception Cocktail (included in the value of registration).</b> |
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**Monday, 18th May 2026 – Conference Day 1.**

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|----------------------|--|---|
| 9:00 – 9:15          | Official Welcome by José Ignacio Asensio Bazterra.<br>José Ignacio Asensio Bazterra is the current Deputy for Sustainability (responsible for the Environment) of the Provincial Council of Gipuzkoa. Asensio Bazterra, manages the department responsible for circular economy, waste, ecological transition, and climate change in the province.   |   |
| 9:15 – 9:35          | <b>Presentation of the seminar (Jordi Garcia-Gonzalo, coordinator of the DecisionES project and chair of SSAFR2026).</b>   |   |
| 9:35 – 9:50          | <b>Keynote 1a: Bruce Bare and Sandor Toth.</b> Dean/Professor Emeritus and Associate Professor, School of Environmental and Forest Sciences, University of Washington, Seattle, WA.<br><b>Title of the talk: History of SSAFR</b>  |   |
| 9:50 – 10:15         | <b>Keynote 1b: Bruce Bare and Sandor Toth.</b> Dean/Professor Emeritus and Associate Professor, School of Environmental and Forest Sciences, University of Washington, Seattle, WA.<br><b>Title: Forest Planning as a Value of Information Problem: An Overview</b>  |   |
| 10:15 – 10:55        | <b>Keynote 2: Mikael Ronqvist.</b> Professor in industrial engineering at Université Laval (Québec) and is a holder of a Canada Research Chair in Operations Research in Natural Resources.<br><b>Title: Forest logistics planning with advanced analytics</b>   |   |
| 11:10 – 11:30        | <b>Coffee break</b>  |   |
| 11:30 – 12:30        | <b>Session 1a. Forest Modelling and Climate Change</b><br>1. Pavel, M. Climate Sensitive Model For Portuguese Maritime Pine Plantations Based on the 3PG model.<br>2. Johnson, K. Modifying Stand-level Growth under a Changing Climate using a Model Fusion Approach.<br>3. Hyun-woo, Jo. An Integrated Forest Growth and Disturbance Modelling Framework for Assessing Climate, Management, and Carbon Trade-offs  | <b>Session 1b. Landscape Resilience &amp; Ecosystem Impacts</b><br>1. Manrique Vargas, S.A. Addressing water provision in Mediterranean forest management: a case study in Valle de Sousa, Portugal<br>2. Martinovs M. Integrated Forest and Hydrological Management for Sustaining Ecosystem Services under Global climate change<br>3. Rodríguez-Pérez, J. Long-term temporal dynamics of the relationship between biomass and nutrient ratios and its effect on forest's drought resilience              |
| 12:30 – 12:35        | <b>Short break.</b>  |   |
| 12:35 – 13:35        | <b>Session 2a. Forest Modelling</b><br>1. Nguyen. Modelling the height-diameter curve for cork oak and stone pine growing in mixed stands in Portugal<br>2. Chaves Cardoso, J. Weekly growth is shaped by competition and microclimate in aspen-spruce mixtures<br>3. Fernández, MP Ecological niche modelling of Jubaea chilensis as support for restoration programs.  | <b>Session 2b. Landscape Resilience &amp; Ecosystem Impacts</b><br>1. Matus-Olivares, C. Fire-Driven Shifts in Community and Functional Diversity of European AeroFauna in the Anthropocene<br>2. Ribeiro noble, L. From Snapshots to Trajectories: Geodatabase Historicity for Dynamic Ecosystem Services Monitoring<br>3. Menéndez-Miguélez, M. Evaluating the ecosystem services of protective forests and nature-based solutions against natural hazards in the Pyrenees                                |
| <b>13:35 – 15:00</b> | <b>LUNCH. Lunch is included with the registration and served nearby</b>  |   |
| 15:00 – 16:10        | <b>Session 3a. Risk Assessment &amp; Large-scale Planning</b><br>1. Zhao, D. Revisiting Extended Rotations for Carbon Credits: Improved Basal Area Projection Models for Intensively Managed Pine Plantations<br>2. Eriksson, O. Carbon credits, do we get what we pay for? - an analysis of the proposal of the Swedish Cross-Party Committee on Environmental Objectives<br>3. Sowlati, T. Optimization of forest-based biomass to bioproducts supply chain considering governmental policies<br>4. Bingham L. Degrowth, negative discount rates, and the Faustmann formula: an update | <b>Session 3b. Ecosystem services</b><br>1. Fernández, M.P Proposal for regulating ecosystem services modelling of urban trees as a decision-support tool.<br>2. Krsnick, G. Let's plan it green and multifunctional!<br>3. Krsnick, G. Can forests have a vocation?<br>4. Chambers, P. Gamified Augmented Reality for Citizen-Collected LiDAR Data in Urban Forest Inventory   |
| 16:10 – 16:25        | <b>Coffee-break</b>  |   |
| 16:25 – 17:45        | <b>Session 4a. Landscape Approaches &amp; Scenario Analysis</b><br>1. Lessa, A. Managing forests at the bioeconomy-biodiversity-climate nexus<br>2. Trubins, R. Increasing the Share of Broadleaves in Southern Swedish Forests: Scenario Analysis of Alternative Targets and Transition Rates<br>3. Aquilué et al. Scenario-based modelling of ecosystem services synergies and trade-offs under climate change<br>4. Illán-Fernández, E.JForestDS: building the digital ecosystem for the forests of tomorrow  | <b>Session 4b. Case Studies &amp; Cross-cutting Applications</b><br>1. Selkimäki, M. How forest owner preferences shape ecosystem service outcomes in landscape-level planning<br>2. Florakis, K. Spatial Site-Index Mapping from Repeated Top-Height Data Using EM Mixtures<br>3. Moreno Monteis, J. Global Evolution Model of Forest Ecosystems from Individual Behavior: A Markov Process and Interaction-Based Approach<br>4. Elfahli, Y. Ontario Spatial Equilibrium Model for Mass-Timber Development |

| <b>Tuesday, 19th May 2026 – Conference Day 2.</b>  |  |  |   |
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| 09:00 – 09:05  | <b>Announcements, practicalities...</b>  |  |   |
| 09:00 – 10:00  | <p><b>Keynote 3: Marc Castellnou.</b> Head of the GRAF Unit, Catalan Fire and Rescue Service (Wildland Fire Expert and Incident Commander).</p> <p><b>Title of the talk: Wildfire: Rethinking risk management</b></p>  |  |   |
| 10:00 – 11:00  | <b>Round Table about Extreme Wildfires. Victor Resco, Paco Castañares</b>  |  |   |
| 11:00 – 11:30  | <b>Coffee-break</b>  |  |   |
| 11:30 – 12:30  | <p><b>Session 1a. Tools and DSSs</b></p> <ol style="list-style-type: none"> <li>Weintraub, A. Analytic tools applied to forest fire prevention measures.</li> <li>Marques, S. The use of a Cell-Based Forest Fire Growth Model to Support Strategic Landscape Management Planning in a Portuguese landscape.</li> <li>Teran, D. FireScarMapper: A QGIS Plugin for Automated Burned Area Detection Using Deep Learning.</li> </ol>  |  |   |
| 12:30 – 12:35  | <b>Short break.</b>  |  |   |
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| Wednesday, 20th May 2026 – Conference Day 3.  |  |
|---|--|
| 09:00 – 09:05   | Announcements, practicalities...   |
| 09:00 – 13:30   | Field Trip   |
| <b>13:30 – 15:00</b> LUNCH. Lunch is included with the registration and served nearby |  |
| 15:00 – 16:20   | <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>Session 3a. Risk analysis IUFRO Unit 4.04.07 (Risk Analysis)</b></p> <ol style="list-style-type: none"> <li>Rasoul Yousefpour Impacts of US tariffs and duties on Ontario's wood trade?</li> <li>Fanny Claise From Perceptions to Incentives: An empirical analysis of the Natural Insurance Function of European forests</li> <li>Logan Bingham Reflections on measuring deforestation that didn't happen</li> <li>Reyhaneh Farahani Accounting for Extreme Disturbance Events in Forest Economic Evaluation under Climate Change</li> </ol> </div> <div style="width: 48%;"> <p><b>Session 3b. Remote Sensing &amp; Spatial analysis</b></p> <ol style="list-style-type: none"> <li>Cortés-Molino, A. Forest tree species prediction using PRISMA hyperspectral images and Graph Neural Network.</li> <li>Moreno Monteys, J. Global Evolution Model of Forest Ecosystems from Individual Behavior: A Markov Process and Interaction-Based Approach</li> <li>Merino de Miguel, S. Integrating 3D Vegetation Structure and Time Series Remote Sensing to Understand Post-Fire Regeneration</li> <li>Kuttchart, E. Optimal allocation of solar-powered biorefineries supplied by forest and agricultural biomass in the Mediterranean region</li> </ol> </div> </div>  |
| <b>16:20 – 16:35</b> Coffee-break   |  |
| 16:35 – 18:00   | <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>Session 4a. Risk analysis IUFRO Unit 4.04.07 (Risk Analysis)</b></p> <ol style="list-style-type: none"> <li>Marc Djahangard FoRDM: A Toolkit for Robust Many-Objective Optimization to Support Forest Decision-Making Under Climate Change</li> <li>Martin Vollmar Development of tree species composition under Climate Change in the Harz region (Germany)</li> <li>Michael Scafe Evaluating the Robustness of Long-Term Forest Management Directions in Ontario, Canada Using Multi-Objective Robust Decision Making Under Deep Uncertainty</li> <li>Anais Kanellos The effect of fire frequency, timing and intensity on forest and welfare dynamics under perfect and imperfect anticipation of forest fire risk</li> <li>Sandrine Brêteau-Amores Mapping what matters: spatializing stakeholders' perceptions of forest multi-risk to support adaptive governance</li> </ol> </div> <div style="width: 48%;"> <p><b>Session 4b. Remote Sensing &amp; Spatial analysis</b></p> <ol style="list-style-type: none"> <li>Sales, J. Mapping Nature's Quality: Ecosystem Multifunctionality as a Basis for Environmental Fiscal Transfers in the State of São Paulo, Brazil</li> <li>Meyer, J. Structurally Guided Sampling, Theory and Applications.</li> <li>Duran, J. Combining Remote Sensing with AI Techniques to Predict Cropland Abandonment in Catalonia</li> <li>Lahssini, K. Euscanopy - A canopy height map of Euskadi</li> <li>Lahssini, K. Improving GEDI-Based Canopy Height Mapping Using Residual Kriging</li> </ol> </div> </div> |
| 19:30 – 21:00   | Banquet dinner at Restaurante La Perla (San Sebastian).  |

| <b>Thursday, 21st May 2026 – Conference Day 4.</b>   |  |  |  |
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| 09:00 – 09:05  | <b>Announcements, practicalities...</b>  |  |  |
| 09:05 – 10:00  | <p><b>keynote 4: Jules Comeau.</b> Professor of operations management at Université de Moncton (Moncton, Canada).</p> <p><b>Title of the talk: Planning Forests for Uncertain Futures: A Practical Stochastic Optimization Perspective</b></p>   |  |  |
| 10:00 – 10:45  | <p><b>keynote 5 : Marie Fillion.</b> Director of Product, Optimization Remsoft. Fredericton, Canada.</p> <p><b>A) Common challenges in forest planning: Insights from practice.</b></p> <p><b>B) Demonstrating integrated forest planning systems: A shift from model assembly to model</b></p>  |  |  |
| 10:45 – 11:05  | <b>Coffee break</b>  |  |  |
| 11:05 – 12:05  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Session 1a. Stochastic approaches</b></p> <ol style="list-style-type: none"> <li>1. Eyvindson. KPlanning for bark beetle disturbance in production forests: A regional forest optimization case study in Norway</li> <li>2. Acuña et al. Managing Thinning Decisions Under Fire Uncertainty: A Stochastic Programming Case Study in Southern Spain</li> <li>3. Ulloa-Fierro. FA Bayesian-Optimized Network Interdiction Heuristic for Firebreak Placement under Stochastic Wildfire Spread</li> </ol> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Session 1b. Remote Sensing &amp; Spatial analysis</b></p> <ol style="list-style-type: none"> <li>1. Costa Pinto, R. Vertical structure of vegetation across phytophysionomies in the State of São Paulo based on canopy height models</li> <li>2. Menéndez-Miguélez, M. Biomass Estimation In Overmature Trees: A New Methodology based on terrestrial laser scanning</li> <li>3. Domingues Pedro. Assessing stream biological health through environmental-DNA and landscape context</li> </ol> </td> </tr> </table>  | <p><b>Session 1a. Stochastic approaches</b></p> <ol style="list-style-type: none"> <li>1. Eyvindson. KPlanning for bark beetle disturbance in production forests: A regional forest optimization case study in Norway</li> <li>2. Acuña et al. Managing Thinning Decisions Under Fire Uncertainty: A Stochastic Programming Case Study in Southern Spain</li> <li>3. Ulloa-Fierro. FA Bayesian-Optimized Network Interdiction Heuristic for Firebreak Placement under Stochastic Wildfire Spread</li> </ol>  | <p><b>Session 1b. Remote Sensing &amp; Spatial analysis</b></p> <ol style="list-style-type: none"> <li>1. Costa Pinto, R. Vertical structure of vegetation across phytophysionomies in the State of São Paulo based on canopy height models</li> <li>2. Menéndez-Miguélez, M. Biomass Estimation In Overmature Trees: A New Methodology based on terrestrial laser scanning</li> <li>3. Domingues Pedro. Assessing stream biological health through environmental-DNA and landscape context</li> </ol>   |
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| 16:30 – 17:00  | <b>Wrap up and End of the conference</b>   |  |  |
| 17:00 – 18:30  | Internal meeting DecisionES.   |  |  |