

NAEC Innovation Lab Workshop

Co-organised by NAEC, the Economics Department and the Employment, Social and Labour Affairs Directorate

NEW PERSPECTIVES ON THE LABOUR MARKET: POLICY APPLICATIONS USING AGENT-BASED MODELLING (ABM)

Friday 29 September 2017 - 9:15 - 12:15 - CC4

ANNOTATED AGENDA

9:15 - 9:30	<p>Opening Remarks</p> <p>Juan Yermo, Deputy Chief of Staff and Catherine L. Mann, Chief Economist</p>
	<p>Moderator: Stéphane Carcillo, Head of Division ELS</p>
9:30 – 10:30	<p>Macro-economic Insights on the Labour Markets Using Agent-Based Models</p> <p>This session features work exploring the possible types of <i>phenomena</i> that simple macroeconomic Agent-Based models (ABM) can reproduce. Jean-Philippe Bouchaud will discuss a methodology, inspired by statistical physics, that helps in understanding large macro-economic fluctuations. A major finding is the generic existence of a <i>phase transition</i> between a “good economy” where unemployment is low, and a “bad economy” where unemployment is high.</p> <p>Tipping points in macroeconomic Agent-Based models</p> <p>Speaker : Jean-Philippe Bouchaud, Capital Fund Management and École Polytechnique</p> <p>Discussant : Annabelle Mourougane, Head of Modelling Workstream, ECO</p>
10:30 – 10:45	<p>Coffee Break</p>
10:45 – 11:45	<p>Micro insights on the Labour Markets Using ABM</p> <p>This session reviews French Labour Laws using a model of the recent French labour market. The model integrates the heterogeneity of agents, and their decisions (firms and workers) based on "search theory", which gives rational microeconomic foundations to behaviour, albeit with decision rules using bounded rationality rather than optimal rules which cannot be computed in the complex system that the modeled labour market constitutes.</p> <p>An agent-based approach to evaluate the impact of economic dismissals facilitation on the French labor market</p> <p>Speakers:</p> <p>Gérard Ballot, Université Paris 2 Panthéon-Assas</p> <p>Jean-Daniel Kant, Université Pierre et Marie Curie (UMPC)</p> <p>Discussant : Priscilla Fialho, Economist, ELS</p>
11:45 – 12:15	<p>Closing Session – panel discussion on new perspectives on the labour market led by Catherine L. Mann, Chief Economist</p> <p>Stéphane Carcillo, Head of Division ELS</p> <p>Alan Kirman, NAEC Advisor</p>