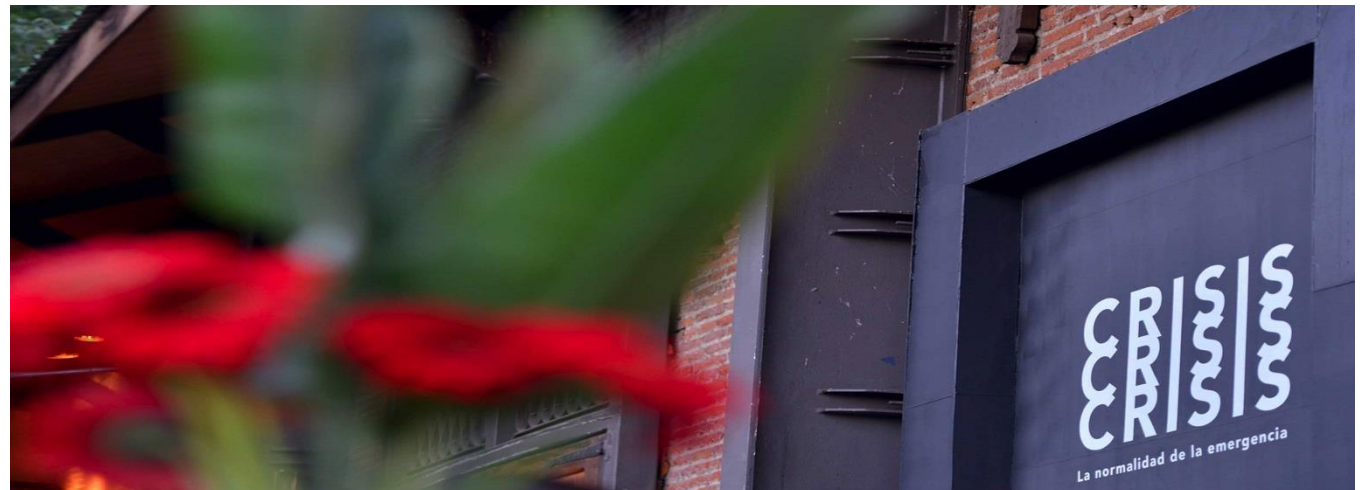


Research Center Millennium Nucleus Models of Crises: Scientific products

Universidad Adolfo Ibáñez

Grant NS130017, Millennium Scientific Initiative, Ministry of Economy
Chilean Government



Publications 2015-2017 (articles, books, book chapters)



Publications

Articles

- Azócar, G.** (2016) La construcción semántica de problemas sociales en la política pública. El caso de la política de vivienda en Chile. *Revista MAD* 35 (WoS).
- Azócar, G.** (2017) Estrategias de manejo de crisis sociales por medio de políticas públicas: Mitigación y reforma. *Economía y política* 4(1) (Latindex).
- Cordero, R.** (2016) The temporalization of critique and the open riddle of history: On Reinhart Koselleck's contributions to critical theory. *Thesis Eleven* 137(1) (WoS).
- Cordero, R.** (2017) In Defense of Speculative Sociology (response to Simon Susen's review of *Crisis and Critique*). *Distinktion: Journal of Social Theory* 18(1) (WoS).
- Cordero, R., Mascareño, A., y Chernilo, D.** (2016) On the reflexivity of crises: Lessons from critical theory and systems theory. *European Journal of Social Theory* 20(4) (WoS).
- Cordero, R. y Salinas, F.** (2017) Hacia una sociología de la abstracción: observaciones acerca de la mediación entre lo conceptual y lo empírico. *Cinta de Moebius* 58 (SciELO).
- Chernilo, D.** (2016) The Question of the Human in the Anthropocene Debate. *European Journal of Social Theory* 20(1) (WoS).
- Goles, E. et al.** (2016) Connectivity Disruption Sparks Explosive Epidemic Spreading. *Physical Review E* 93(4) (WoS).
- Henríquez, P.A., **Ruz, G.A.** (2017). Extreme learning machine with a deterministic assignment of hidden weights in two parallel layers, *Neurocomputing* 226 (WoS).
- Mascareño, A.** (2015) The Different Faces of Inclusion and Exclusion. *CEPAL Review* 116 (WoS)
- Mascareño, A.** (2016) Constitutionalism in the Global Realm de Poul F. Kjaer. *Revista de Ciencia Política* 36(2) (WoS).
- Mascareño, A.** (2016). Jorge Larraín o la pasión por la distinción conceptual. *Estudios Públicos* 144 (Clase).
- Mascareño, A.** (2016): La incompletitud de la autopoiesis. Irritación, codificación y crisis. *Metapolítica* 20(92) (Latindex)
- Mascareño, A.** (2017) Crisis and Critique de Rodrigo Cordero. *Sociology* DOI: 10.1177/0038038517722899 (WoS).
- Mascareño, A.** (2017) El giro operativo de la sociología contemporánea. *Revista MAD* 37 (WoS)
- Mascareño, A. Drago, C.** (2016) Nothing more than feelings? *Economía y Política* 3(2) (Latindex).
- Mascareño, A., Goles, E. y Ruz, G.** (2016) Crisis in Complex Social Systems. A Social Theory View Illustrated with the Chilean Case. *Complexity* 21(S2) (WoS).

- Mascareño**, A., Hoevel, C. (2016) La emergencia de redes clientelares en América Latina: Una perspectiva teórica. *Revista MAD* 34 (WoS).
- Mascareño**, A., **Loewe**, D., Stamford, A., Rodríguez, D. (2016) Redes informales e instituciones democráticas en América Latina. *Revista Dados* 59(3) (WoS)
- Medina, **Goles**, Zarama, **Rica** (2016). Self-Organized Societies: On the Sakoda Model of Social Interactions. *Complexity* DOI: [10.1155/2017/3548591](https://doi.org/10.1155/2017/3548591) (WoS).
- Loewe**, D. (2017) Virtudes, racionalidad y el desarrollo moral. *Alpha* 44 (WoS).
- Loewe**, D. (2017) Metilfenidato y modafinilo: justicia igualitaria y políticas de acceso de mejoramiento cognitivo farmacológico. *Acta Bioethica* 23 (WoS).
- Rengifo**, F. (2017) Desigualdad e inclusión. La ruta del Estado de seguridad social chilena, 1920-1970. *Hispanic American Historical Review* 97(3) (WoS).
- Repetto**, A. (2016) Crecimiento, pobreza y desigualdad: la vía chilena 3(1) (Latindex).
- Repetto**, A., Gallego, F., Larroulet, C., Palomer, L., Verdugo, D. (2017). Socioeconomic inequalities in self-perceived oral health among adults in Chile. *International Journal for Equity in Health*. DOI: 10.1186/s12939-017-0519-9 (WoS).
- Rossello**, D. (2016) All in the (Human) Family? Species Aristocratism in the Return of Human Dignity. *Political Theory* 45(6) (WoS).
- Tironi, M., Undurraga, B-, Di Giminiani, **Rossello**, D., Schaeffer, C., and Sepúlveda, C. (2017) Bordersm affects, and effects. *Society & Animals* 25 (WoS).
- Ruz**, G. (2016) Improving the Performance of Inductive Learning Classifiers through the Presentation Order of the Training Patterns. *Expert Systems with Applications* 58 (WoS).
- Sánchez**, B. (2015) The Reconfiguration of the Global Financial Regime. Between Public Determination and Private Self-determination. *Revista MAD* 32 (WoS)
- Urquiza, A., **Billi**, M., y Leal, T. (2017). Aplicar una distinción. Un programa sistémico-constructivista para la investigación social cualitativa. *Revista MAD* 37 (WoS).
- Valle, M.A., **Ruz**, G.A., Masías, V.H. (2017) Using self-organizing maps to model turnover of sales agents in a call center, *Applied Soft Computing* 60 (WoS).

Books and chapters

Books and chapters

- Azócar**, G. (2017) *Crisis, por ahora. Relatos literarios sobre crisis sociales*. Recrea: Santiago.
- Cordero**, R. (2016) *Crisis and Critique. On the Fragile Foundations of Social Life*. London: Routledge.
- Cordero**, R. y **Mascareño**, A. (2017). *Estéticas de la crisis. Modelos de mundos posibles*. Recrea: Santiago.
- Loewe** (2016) Cognitive enhancement and the leveling of the playing field. In *Cognitive Enhancement: Ethical and Policy Implications in International Perspective*. Oxford: OUP.
- Mascareño**, A. (2016) Deconstitutionalizing Latin America. In A. Febbrajo y G. Corsi (eds.), *Sociology of Constitutions: A paradoxical perspective*. London: Ashgate.
- Mascareño**, A. (2016) Hacia una deconstitucionalización del particularismo normativo en América Latina. In G. Bustamante y D. Sazo (eds.), *Democracia y poder constituyente*. México: Fondo de Cultura Económica.

Under review and work in progress

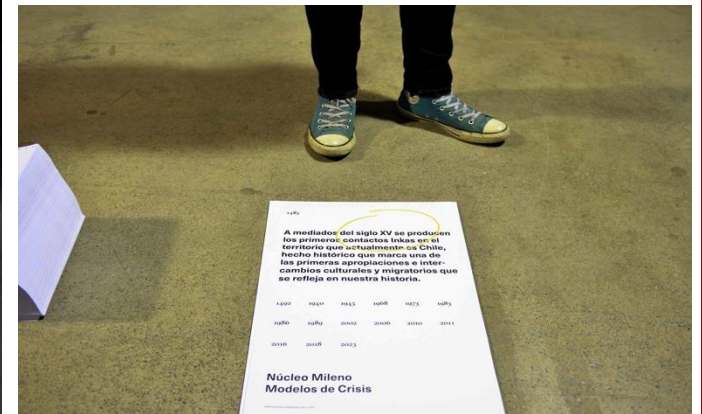
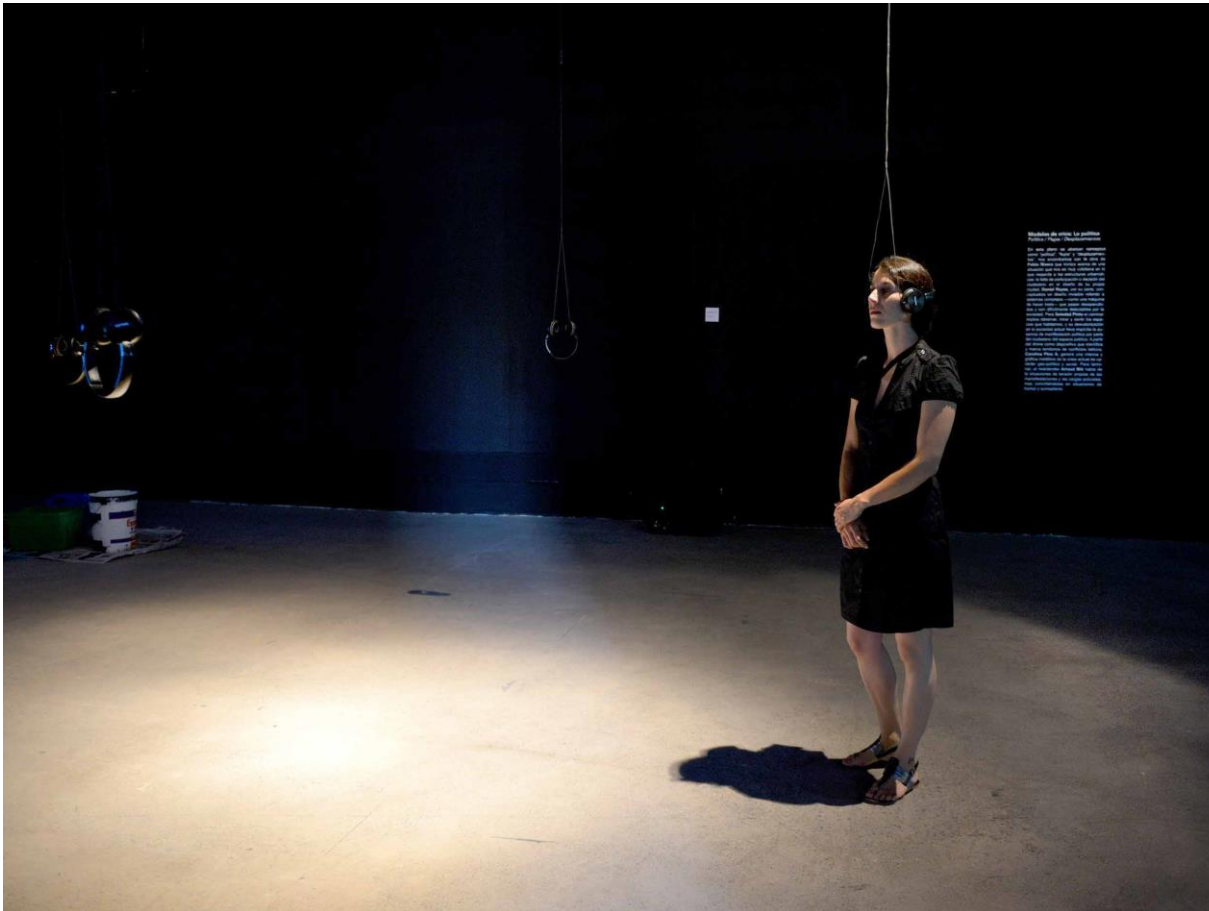
- Mascareño**, A. (2017) La Constitución de 1925. Crisis y legitimación en perspectiva constitucional. En Ossa y Fontaine (eds.), *1925*. Santiago: Catalonia.
- Traducción de **Mascareño**, A. (2017) Niklas Luhmann, *Economía de la sociedad*. México: Herder
- Mora**, F., Urbina, F., Cortez, V. y **Rica**, S. (2016) Around the Ising Model. In M. Tlidi and M.G. Clerc (eds.), *Nonlinear Dynamics: Materials, Theory and Experiments*, Springer Proceedings in Physics 173.
- Salgado**, M. (2016) Sociology and Non-Equilibrium Social Sciences. In Johnson, J., Nowak, A., Ormerod, P., Rosewell, B. & Zhang, Y-Ch. (Eds.), *Non-Equilibrium Social Science*. Springer: New York.

Under review

- Cordero**, R. The Power to Give Society a Form: Constituent Moments and the Force of Concepts. *Constellations* (WoS)
- Mascareño**, A., **Cordero**, R., **Azócar**, G., **Billi**, M., Henríquez, P., and **Ruz**, G. The Critical Convergence of Nature and Society: System Dynamics and Social Controversies on a Major Red Tide Crisis in Chiloe Island, Chile. *Ecology and Society* (WoS)
- Rengifo**, F. **Ruz**, G. and **Mascareño**, A. Managing the 1920's Chilean educational crisis. *Plos One* (WoS)
- Rossello**, D. The Animal Condition in Arendt's The Human Condition. *Political Research Quarterly* (WoS)
- Salgado**, M., **Mascareño**, A., **Ruz**, G., y **Nadal**, J. Models of Crises Propagation: A Systematic Review. *The Journal of Artificial Societies and Social Simulation*. (WoS)

Work in progress

- Cordero**, R. The power to give society a form: Constituent moments and the force of concepts
- Goles**, E., **Rica**, S., **Medina**, P. and **Mascareño**, A. Social structures in the Sakoda Model: A morphogenetic approach.
- Loewe**, D. Environmental intergenerational justice and the non-identity problem: a Kantian approach
- Mora**, F., **Rica**, S. Local Bifurcations in the Presence of Noise. A Calculation of the Probability Function from Different Perspectives
- Mascareño**, A. Constituent crises. The power of contingency
- Mascareño**, A and Drago, C. Against all Odds. The Emergence of Compassion in Organizations.
- Rengifo**, F. and Briones, I. Capital humano y crisis de la cobertura educacional en Chile.
- Repetto**, Laibson, Maxted, Tobacman. Estimating discount functions with consumption choices over the lifecycle
- Repetto**, A. Atal, F. and Agostini, C. Response Dynamics to Tax Enforcement: Evidence from Chilean Firms.



Selected scientific presentations 2015-2017

Azócar, Gabriela

- 2016 Responses to the crisis of higher education in Chile. Conference held at 9th Congress of Sociology, Chile. October 2016. Contributing to RL2 and Specific Goal 4. The conference analyzes the proposed reform of Chilean education aimed at de-municipalizing primary education and introducing free higher education.
- 2016 Red tide crisis in Chiloe Island. Narratives and perceptions. Conference held at Universidad de Universidad de Chile. Seminar *Crisis and social innovation*. November 2016. Contributing to RL2 and Specific Goal 4. The conference introduces the methodology of social narratives (different actor-related experiences of factual developments) for the analysis of crises considering the Chiloe red tide crisis in 2016.

Selected scientific presentations

Chernilo, Daniel

- 2015 Ideas of the human in sociology and social research. *University of Warwick, Centre for Social Ontology*. Keynote lecture for their one-day workshop and symposium that discussed the implications of different ideas of the human in the social sciences.
- 2016 Debating Humanity. Keynote lecture in the Department of Sociology at the University of Cambridge. This event was organised to highlight the publication of my new book *Debating Humanity*.
- 2017 The idea of a philosophical sociology. *Masarik University, Brno, Czech Republic*. International workshop on 'Conflict in Identities. Identities in conflict'. The conference discusses transformations of identities in different regional contexts.

Cordero, Rodrigo

- 2015 The philosophical actuality of sociology: Remarks on Theodor Adorno. Congress European Sociological Association, Czech Academy of Science. Prague.
- 2016 Crisis and the non-closure of human history: Reinhart Koselleck's contributions to critical theory. Conference held at the Congress Philosophy and Social Sciences, Prague, Czech Republic. May 2016. Contributing to RL1 and Specific Goal 3. The conference discusses the contribution of Reinhart Koselleck for developing a historically contingent concept of crisis, thereby regaining open possibilities for social restructuring in the aftermath of crisis.
- 2017 Giving Society a Constitutional Form: Practices of conceptual change in the drafting of Chile's 1980 Constitution (An ethnographic exploration). *Rethinking Latin American Studies: Between or Beyond Local and Global Knowledge*, New School for Social Research, New York.

Goles, Eric

- 2015 Automata Networks. Dynamics and Complexity. Seminar organized by Laboratoire d'Informatique Fondamentale d'Orléans (LIFO), Université d'Orléans, Paris.
- 2016 Neutral space analysis of gene regulatory network models (w/Ruz and Timmermann). Conference held at the IEEE Congress on Evolutionary Computation, Vancouver, Canada. July 2016. Contributing to RL2 and Specific Goal 1. The conference discusses the effectiveness and usefulness of the evolutionary computation approach in regulatory network models, as well as particular characteristics of the evolution strategy used in this work.
- 2017 Inferring bistable lac operon Boolean regulatory networks using evolutionary computation. Conference on Computational Intelligence in Bioinformatics and Computational Biology, Manchester.

Selected scientific presentations

Loewe, Daniel

- 2015 Global inequalities and migration. Congress Migrations and the Frontiers of Justice, Madrid.
- 2016 Dignity, justice and migration. Conference held at the 18th International Congress of Philosophy, Mexico. October 2016. Contributing to RL1 and Specific Goal 3. The conference analyzes migration crises from the point of view of institutional justice.

Mascareño, Aldo

- 2015 Managing social crises through law. Conference held at the Congress of the International Association of Sociology: Sociology of Law, Porto Alegre, Brazil. April 2016. Contributing to RL1 and RL2 and Specific Goals 1, 2, and 3. The conference argues that there is an immanent relation between social crises and constitutional moments.
- 2016 Crisis in complex social systems. A social theory view illustrated with the Chilean case. Conference held at the 2016 Conference on Complex Systems, Amsterdam, Holland. September 2016. Contributing to RL1 and RL2 and Specific Goals 1, 2, and 3. The conference offers a model for the analysis of social crises and develops a computational model for empirical research. The dynamics of the Chilean education system is the case in point. The model shows universal value to be applied to any education system where public and private school offer compete for the school demand.
- 2016 Crisis in complex social systems. Conference held at the Seminar of the Graduate School in History and Sociology, Bielefeld, Germany. June 2016. Contributing to RL1 and Specific Goal 2. The conference develops the foundations for a systemic approach to social crises. According to this approach, crises are internally developed by social systems as excess of their own communication processes.

Rengifo, Francisca

- 2015 Public education in Chile. The Mapuche School as a rural school. Seminar at Hispanic Studies University of Kent, Kent UK
- 2016 Mechanisms of social inclusion and exclusion through social security policies in Chile, 1920-1950. 2nd Conference COES, Santiago, Chile. June 2016. Contributing to RL2 and Specific Goal 4. The conference deals with the paradox of policies being a mechanism for managing and, in turn, for triggering crises processes.

Selected scientific presentations

Repetto, Andrea

- 2015 Income Inequality and the Tax System in Chile. Collaborative work with University of Berkeley, Berkeley.
- 2016 The deterrence role of Supreme Audit Institutions: Experimental evidence from Chile. Seminar at the Department of Economics, Universidad de Chile. June 2016. Contributing to RL2 and Specific Goal 4. The conference analyses the role of audit institutions in controlling the use of public resources.
- 2016 From global to personal finance. Spring School Models of Crises, Viña del Mar, Chile, December 2016. Contributing to RL2 and Specific Goals 3, 4 and 5. The conference addresses intertemporal preferences (discount rates) at the basis for future critical events such as environmental problems, households' indebtedness, and financial crises.

Rica, Sergio

- 2015 Foretelling catastrophes, d'après Yves Pomeau. Seminario de la Facultad de ingeniería, Universidad Diego Portales, Santiago
- 2016 Ising-based social interaction. XIX Conference on Nonequilibrium Statistical Mechanics and Nonlinear Physics, Valdivia, Chile. December 2016. Contributing to RL2 and Specific Goal 4. The conference shows how different models (Schelling, percolation, QR2 cellular automata, decision-choice models) amalgamate their underlying behavior under the common principle of Ising-based models.
- 2017 Dynamics of thin elastic plates. Conference Variational Models of Soft Matter, Pontifical Catholic University of Chile.

Ruz, Gonzalo

- 2015 Threshold networks: universality and applications. Conference on Complex Systems. Temple, USA.
- 2016 A Boolean model of gene regulatory networks with memory: application to the elementary cellular automata. Conference held at the 2016 Conference on Complex Systems, Amsterdam, Holland. September 2016. Contributing to RL2 and Specific Goal 1. The conference explores modeling techniques concerning the propagation of information in regulatory networks.
- 2017 A Novel Representation for Boolean Networks Designed to Enhance Heritability and Scalability. Conference on Computational Intelligence in Bioinformatics and Computational Biology. Manchester, UK.

Selected scientific presentations

Rossello, Diego

- 2016 All in the (Human) Family? Species Aristocratism in the Return of Human Dignity. Conference held at the Workshop of the Sociology Department, Universidad Católica, Chile. June 2016. Contributing to RL1 and Specific Goal 3. The conference explores the animal/human rights debate' and contends that a near-to-critically type of relation between human species and nature could be found in a totalizing concept of human dignity
- 2016 Re-readings of Carl Schmitt's political concept. XII Chilean Congress of Political Science. Asociación Chilena de Ciencia Política y la Universidad Católica de Temuco, Pucón, Chile.

Salgado, Mauricio

- 2015 Classifying faces: social categorisation among young people in segregated Chile. International Congress, Experimental Approaches to Social Interaction. Institute of Complex Systems. Valparaíso, Chile.
- 2016 Youth's gender beliefs of altruism in dictator game'. Seminar Inequalities, Social Mobility, and Labor Market at the Cathie Marsh Institute for Social Research, Manchester, UK. February 2016. Contributing to RL2 and Specific Goal 1. The conference shows the applicability of agent-based modeling to critical social interactions.

Ricardo Valenzuela

- 2015 Regulation problems in contemporary society. A theoretical approach. 5th Latin American Conference of the History of Economic Thought – ESHET Chile.
- 2016 Social constitutionalization in the financial system. Multinormativity in the transnational realm. Max-Planck Summer Academy for Legal History 2016. Special Topic: Multinormativity. Frankfurt.

Marco Billi

- 2015 Inclusive energy? "Expectations of participation in today's Chile" presented at the table Socio-environmental problems as problems of inequality. Society and the environment: a problem of inequality. Master in Systemic Analysis Applied to Society, Universidad de Chile.



Andrea Repetto

Deputy PI **Andrea Repetto** has been awarded on March 3rd 2016 with the **Prize *Energía de Mujer***. The prize recognizes the contribution of Andrea Repetto to the public debate and policy design in Chile. Andrea Repetto is Professor at the School of Government, Universidad Adolfo Ibáñez, and researcher at the Millennium Nucleus Models of Crises. Additional information at http://uainews.altavoz.net/acdemica-de-la-escuela-de-gobierno-andrea-repetto-recibio-premio/prontus_mundouaistgo/2016-03-16/152727.html



Ricardo Valenzuela

Our PhD student **Ricardo Valenzuela** has been awarded with the PhD fellowship of the Chilean government in 2016 (Program Becas Chile, Conicyt). Recently he has accepted by the Department of Politics, SciencesPo, Paris for a research stay.

Ricardo Valenzuela's thesis is entitled: *The constitutionalization of the corporate sphere in the wake of economic crises*



Marco Billi

Our PhD student **Marco Billi** has been awarded with the PhD fellowship of the Chilean government in 2016 (Program Becas Chile, Conicyt).

Marco Billi's thesis is entitled: *The sustainability of society: the case of energetic transitions*

Awards



Research Center Millennium Nucleus Models of Crises

Universidad Adolfo Ibáñez
Grant NS130017, Ministry of Economy, Chilean Government

<http://mileniocrisis.uai.cl>