

Hebe Vessuri
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MAIN COMPETENCES

- Social study of science research
- Science Policy Analysis
- Building and Management of academic units and programs
- Training novel generations of researchers
- Building graduate teaching programs
- Building and leading of Research Teams
- Network Development
- Strategy deployment in educational settings
- Ability to work in multicultural/multilingual settings
- Academic consulting
- Membership in national and international committees, boards, councils
- Analysis, editorship and promotion of scientific publishing in peripheral countries

EDUCATION

Educated at Oxford University, in the Institute of Social Anthropology. Tutored by E.E. Evans-Pritchard in the Diploma Course, Rodney Needham in the Master's thesis and Raymond Carr and Peter Riviere in the Doctoral thesis, to which also Prof. Claude Lévi-Strauss was involved as an external advisor.

PROFESSIONAL EXPERIENCE

Director, Centro de Estudios de la Ciencia, Instituto Venezolano de Investigaciones Científicas (IVIC) 1991-July 2010

Blue-sky research and technological development and training of advanced human resources. The institute is a source of information in the area, acting as public advisor and facilitator of external services that guarantee direct access and spread of scientific knowledge in Venezuela and the world.

Key Accomplishments

- Established the Department of Science Studies as one of the main research and training academic units in Latin America for addressing issues related to the hot topics of Science, Technology and Society, later promoted to the category of Centre
- Founding director of the Graduate Program on the Social Study of Science in 1993
- Promotion and development of one of the pioneer research and training programs on STS in Latin America in the interfase between higher education and scientific and technological research with UNESCO Chairs-COLUMBUS Program and CONICIT.
- Tutor/supervisor of Post-Docs, Doctors, M.Sc. and Licenciatura candidates. Multiple public consultancies on a range of topics in STS.

Head, Departamento de Política Científica y Tecnológica, Instituto de Geociencias, Universidade Estadual de Campinas (UNICAMP), Campinas, Brasil 1987-1990

The University of Campinas is a public university in the state of São Paulo, Brazil. It responds for 10% of academic research in Brazil and is a leading Brazilian university with regard to patents and number of articles per capita published annually in indexed journals in the ISI/WoS.

Key Accomplishments

- Founding Head of the Department of Science and Technology Policy, organizing the earliest graduate program on Science and Technology Policy in Brazil. Got the support of

United Nations University for around 10 fellowships for students from other Latin American countries.

- Training of M.Sc. students.
- Organization of the Specialized Library of STS in the Department.
- Representative role in the name of the University rector within the group of Paulista Universities to frame a joint science policy for the Sao Paulo state universities.
- Organization of the first meeting of the Latin American Catalogue on Graduate Programs of Social Studies of Science and Innovation and Science and Technology Policy, supported by the UNESCO Regional Office of S&T, acting as its first Secretary.
- Participation with Amilcar Herrera, Renato Dagnino and other Latin American colleagues in the Research Project on A Prospective Study for Science and Technology in Latin America. United Nations University and IDRC.

Head, Area of Science and Technology

Centro de Estudios del Desarrollo (CENDES), Universidad Central de Venezuela (UCV), Caracas, Venezuela 1976-1987

Pioneer Latin American Research and Training Center on Economic, Regional, and Social Planning, whose origin was closely related to ECLA. Long-Standing host of the Latin American Planning Association.

Key Accomplishments

- Founding head of the Graduate Program on Policy and Planning of Science and Technology.
- Training of many M.Sc. and Doctoral candidates.
- Coordinator of a 10-year Agreement between the Science Council (CONICIT) and CENDES-Universidad Central de Venezuela for the Training of High Level Managerial Staff for the National Administration of Science and Technology.
- Co-organizer of CENDES Doctoral Program.
- Secretary of CLACSO Commission on Science, Technology and Development, organizing an important regional meeting at the site of UNESCO-IESALC in Caracas in 1982.
- Organizer of the Documentation Center on Science and Technology Policy within CENDES' Library.

Head of Department, Centre of Social Research (1971-1973) and Departamento Socioeconómico, Facultad de Agronomía y Zootecnia (1972-1975),

Universidad Nacional de Tucumán, San Miguel de Tucumán, Argentina, 1971-1975

Key Accomplishments

- Introduced the topics of peasantries and the family farm to scholars and students in the Argentine scientific community through actions with CLACSO.
- Introduced the curriculum of rural sociology to students of the Agronomy Faculty in Tucuman.
- Started two research projects with University students guiding them in social fieldwork.

Visiting Assistant Professor, Political Science, Sociology and Anthropology Department, Simon Fraser University, Vancouver; Lecturer, Department of Sociology and Anthropology, University of Victoria, Victoria, Vancouver Island, and Lecturer at the Department of Political Science, Sociology and Anthropology, Dalhousie University, Halifax, Nova Scotia, Canada

1964-1971

Key Accomplishments

- Learning the teaching trade, through the exposure to a different cultural milieu, with a varied range of students of several Canadian universities and different courses,
- Obtention of a scholarship from Canada Council to do fieldwork in northern Argentina towards my doctoral degree in Oxford University.

TRAINING EXPERIENCE

- In total tutor/supervisor/director of 4 Post-Docs, 26 Doctors, 43 M.Sc. and 27 Licenciados, totalling 100 persons.
- Participation on the examination boards of many doctoral candidates in Argentina, Brazil, Colombia, France, Germany, Mexico, Venezuela and South Africa.
- Among my former students who have made brilliant careers in academia are Alexis Mercado, who became the First President of the National Centre for Chemistry (CNTQ), Arnaldo Pirela, well-known specialist on innovation, Yolanda Texera, science historian, all of them in Venezuela. I also contributed to the formation of Rigas Arvanitis in France, Pablo Kreimer in Argentina. One of my earliest Brazilian students -Maria Gabriela Marinho- is today the director of the STS Program at the ABC University in Sao Paulo, Brazil.
- **COMPETITIONS**
- Classified as Researcher Level 3 (Top Level). National Research System, CONACYT. Mexico 2013-2017.
- Classified as Researcher Level 3 (Top Level). PEII Program, Ministerio de Ciencia y Tecnología. Caracas, Venezuela. 2011-continues.

PRIZES

- *Prize Oscar Varsavsky to the Trajectory in the STS field in Latin America.* ESOCITE (Latin American Association of Social Studies of Science and Technology). Buenos Aires, August 2014.
- *National Prize of Science and Technology*, Presidency of the Republic, Venezuela, 2006 (This is a Prize to the scientific trajectory).
- *Europa Prize* to the best research project granted to “Risk Factors of reduction of habitats of the National Canaima Park: Vulnerability and Tools for Sustainable Development” o which I was co-coordinator. This was the first edition of the Europa Prize to innovation for sustainable development. Embassies and institutions from Spain, Germany, France, United Kingdom and European Union co-sponsored the prize given in Caracas, at the French Embassy, 2010.
- *Homage*, in the framework of the event “Thinking in Spanish”, because of “la gran relevancia e influencia internacional de sus publicaciones en el ámbito de las ciencias sociales y los estudios de la ciencia.” Madrid. Instituto de Filosofía del Consejo Superior de Investigaciones Científicas (CSIC). 2007.

INTERNATIONAL COOPERATION

- Member of the Advisory Board of OCSD (Open and Collaborative Science in Development Net), IDRC/ University of Toronto/iHub Nairobi. 2014-2016.
- Current Member of the Commission of Ethics of Science and Technology of UNESCO. Paris.
- Board Member of the International Winter Academy in November 2014 at the Humboldt Universität zu Berlin and at the Wissenschaftszentrum Berlin für Sozialforschung (WZB) on the theme “Inequality, Education and Social Power: Transregional Perspectives”, organized by the Max Weber Foundation-German Humanities Institutes Abroad, supported by the German Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung BMBF).

- Several collaborations with the International Social Science Council, the most recent ones as member of the steering committee of the Transformations to Sustainability Programme, launched in 2014; external reader of the World Social Science report on Climate Change 2013; and Editorial Board member and author of the 2010 World Social Science Report. ISSC-UNESCO, Paris.
- Member of the Council of the United Nations University (UNU), 2004-2010, and President of the Council in 2009-10, Tokyo, Japan.
- Vice-president of the Global Scientific Committee of the UNESCO Forum on Higher Education, Research, and Knowledge; and President of the Latin American Scientific Committee of the Forum. Paris, France, 2003-2009.
- Also in connection with UNESCO activities in higher education, I was Rapporteur of the Session on the Social Relevance of Higher Education, UNESCO Mega-Conference on Higher Education. Paris, France, 1999; and Member of the Writing Commission of the Final Declaration of the Regional Conference of Higher Education (CRES)-UNESCO, Cartagena de Indias, Colombia, 2008. I have also been a member of the Board of the UNESCO regional Institute for Higher Education in Latin American America UNESCO-IESALC.
- Board Member of the Institute of New Technologies of the United Nations University (UNU-INTECH), Maastrich, The Netherlands, 1997-2002.
- Founding Member of the Latin American Association of Social Studies of Science ESOCITE and Member of the Board. Currently member of the Scientific Committee which organizes the First Joint Meeting of ESOCITE and the American Society for the Social Study of Science (4S), to take place in Buenos Aires in 2014. Participant as facilitator in most of its Doctoral Schools carried out every two years in different locations in Latin America.
- Member of the Committee on Assessment and Scientific Planning of the International Council for Science (ICSU), 2005-2011.
- Member of the Scientific Committee of the International Program on Human Dimensions of Global Change (IHDP), ICSU-ISSC-UNU. 2007-2009.
- Member of the Founding Board of Directors of Scidev.Net, London, United Kingdom, 2001-2008.
- Member of the Research Board of COLUMBUS Program of Exchanges between European and Latin American Universities, 1990-1996.
- Editor, co-editor or member of editorial board of many international journals such as as INTERCIENCIA; SCIENCE, TECHNOLOGY & SOCIETY; REVISTA DE EDUCACION SUPERIOR Y SOCIEDAD; INDUSTRY AND HIGHER EDUCATION; RBPG (REVISTA BRASILEIRA DE POS-GRADUACAO); REVISTA DE INVESTIGACION EDUCATIVA (MEXICO); REDES; STUDIES IN HIGHER EDUCATION.
- Member of the International Union of Anthropological and Ethnological Sciences, and Vice-President between 1978-1984.
- Participant in multiple international networks, such as the Social Sciences and Humanities Network, based in Bremen (vice-president); the Network on Interdependent Inequalities between Latin America and Europe, located in the Freie Universitat in Berlin, Germany (member of the board); coordinator of the CYTED Network on Scientific Knowledge for Social Cohesion and Social Inclusion and current Member of the CYTED Network on Science in Latin America.

LANGUAGES

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| Spanish | Mother tongue |
| English | Excellent |
| Portuguese | Excellent |
| Italian | Good |
| French | Good |

PUBLICATIONS

- 29 Books, 175 book chapters, 112 articles in peer reviewed journals, 31 papers in non-refereed journals.

Selected Books:

- Kreimer, P. H. Vessuri, L. Velho y A. Arellano (editors) “*Perspectivas latinoamericanas en el estudio social de la Ciencia, la Tecnología*”. Editorial Siglo XXI. México (2014).
- “*O inventamos o erramos*”. *La ciencia como idea-fuerza en América Latina* Universidad Nacional de Quilmes (2010);
- *Conocimiento, Desarrollo y Ambiente (Reflexiones)*. Ediciones Ministerio del Poder Popular para la Ciencia y la Tecnología. Caracas. (2008);
- *Igualdad y jerarquía en Antajé*. IDES/ Editorial Al Margen, Buenos Aires (2011);
- with U. Teichler (eds.) *Universities as Centres of Research and Knowledge Creation: An Endangered Species?* Sense Publishers. Rotterdam (2008);
- with Sörlin, S. (eds.) *Knowledge Society vs Knowledge Economy. Knowledge, Power, & Politics*. IAU/UNESCO/Palgrave. Nueva York (2007);
- *Universidad e investigación científica. Convergencias y tensiones*. UNESCO/CLACSO, Buenos Aires (2006);
- with D. Dickson, L. Massarani & K. Matchett *Guía de Divulgación Científica*. Fundación Polar/SciDev.Net. Caracas (2005);
- *La Investigación y Desarrollo en universidades de América Latina*, Fondo Editorial FINTEC, Caracas (1998);
- *La academia va al mercado. Relaciones de científicos académicos con clientes externos*. FINTEC, Caracas (1995);
- *Evaluación académica. Enfoques y experiencias*, 2 vols. COLUMBUS/CRE-UNESCO. París (1993);
- *Ciencia académica en la Venezuela moderna. Historia reciente y perspectivas de las disciplinas científicas*. Fondo Editorial Acta Científica Venezolana, Caracas (1984);
- with Díaz, E., Y. Texera, *La ciencia periférica. Ciencia y sociedad en Venezuela*, Monte Avila Editores, Caracas (1984).

Selected Book Chapters back to 2000:

- 2014. Vessuri, H. and P. Kreimer La science latinoaméricaine: tensions du passé et enjeux du présent. In Kleiche-Dray, M. (ed.) *Les ancrages nationaux de la science mondiales*. Paris Edition des Archives Contemporaines.
- 2014 Vessuri, H. and C. Bueno Castellanos. Organizational and Institutional restructuring in the world of social science: seeds of change. In Vessuri, H. and M. Kuhn (editors). *The global social science world – under and beyond ‘Western’ universalism*. (in

preparation).

- 2014 Los límites del conocimiento disciplinario. Nuevas formas de producción del conocimiento científico. In Kreimer, P., Vessuri, H., Velho, L. and A. Arellano (editors) *Perspectivas Latinoamericanas en el estudio social de la ciencia y la tecnología*. Siglo XXI. México.
- 2014 Mercado, A. y H. Vessuri. El conocimiento científico y tecnológico en la estrategia de aprovechamiento de los recursos naturales para el desarrollo integral de UNASUR. Trabajos presentados en el Foro de la Unión de Naciones Suramericanas sobre Ciencia, Tecnología, Innovación e Industrialización en América del Sur Río de Janeiro, 2 al 4 de Diciembre de 2013. In *Ciencia, Tecnología, Innovación e Industrialización en América del Sur: Hacia una estrategia regional*. UNASUR, pp. 69-94.
- 2014 Vessuri, H., I. Sanchez-Rose, I. Sanchez-Valencia, L. Hernández, L. Bravo y I. Rodríguez. *Desigualdades de conocimiento y estrategias para reducir las asimetrías. El trabajo de campo compartido y estrategias para reducir las asimetrías*. Working Paper Nro. 62, Desigualdades.Net, Berlin,
- 2013 Who is the Social Scientist in the Twenty-First Century? Commentaries from academic and applied contexts and from the mainstream and the periphery. In M. Kuhn y S. Yazawa (eds.) *Theories about and Strategies against Hegemonic Social Sciences*. Seijo University Publications, Tokyo, pp. 133-154.
- 2013 Ciencia, tecnología y (auténtica) democracia. In López Beltrán, C. y A. Velasco Gómez (coordinators) *Aproximaciones a la filosofía política de la ciencia*. UNAM, Mexico, pp. 403-420.
- 2012 Internacionalismo científico en la problemática socioambiental y una nueva agenda para las ciencias sociales. In R Casas y H. de Gramont (eds.) *Democracia, conocimiento y cultura*. UNAM y Bonilla eds. México;
- 2008 The role of research in higher education: Implications and challenges for an active future contribution to human and social development. In: *Higher Education in the World 2008. New Challenges, Changing Roles: Steering a Course for Human and Social Development*. GUNI. Palgrave-Macmillan, Nueva York for English edition and Mundiprensa for Spanish edition.
- 2008 La formación de investigadores en América Latina". In: J. Sebastián (ed.) *Claves del desarrollo científico y tecnológico de América Latina*. Siglo XXI de España editores, S.A. Fundación Carolina. España, pp. 1-36.
- 2007 With Canino, M.V. y Sánchez-Rose, I. 2007 Private-Public Dynamics in Higher Education. Between Rhetoric and Mirror Games in Oil Research in Venezuela. J. Enders (ed.) *Private-Public Dynamics in Higher Education: Expectations, Developments and Outcomes*. Transcript- Verlag.
- 2006 With Gallopin, G. Science for Sustainable Development: Articulating Knowledges. A. Guimaraes Pereira et Al. (eds.). *Interfaces between science and society*. Greenleaf. New York.
- 2005. Higher Education and Development. Reconciling the Local and the Global. In: *The wealth of Diversity. The Role of Universities in Promoting Dialogue and Development*. International Association of Universities (IAU), Sao Paulo.
- 2005. With Cetto, A.M. 2005. The International Scientific Cooperation of Latin America and the Caribbean. *UNESCO World Science Report*, UNESCO, Paris.

- 2005. La tecnología de la investigación en la temprana fitotecnia sudamericana: Horovitz, el maíz y la investigación agrícola. In: A. Arellano, J. Ocampo, P. Kreimer y H. Vessuri (Eds.) *Ciencias agrícolas y cultura científica en América Latina*, pp.15-44. Prometeo Libros, Buenos Aires.
- 2004 History of Science and Policy Implications in a Developing Country Setting. In: K. Grandin, N. Wormbs & S. Wildmalm (Eds.) *The Science- Industry Nexus: History, Policy, Implications*, Watson Publishing International.
- 2003 La ciencia en América Latina, 1820-1879. In: J.Z.Vázquez y M.M. Grijalda (Eds.) *Historia General de América Latina*. UNESCO, París, Vol.VI, capítulo 23, pp. 657-702.
- 2001 De la transferencia a la creatividad. Los papeles culturales de la ciencia en los países subdesarrollados. In: A.Ibarra y J.A.López Cerezo (editores) *Desafíos y tensiones actuales en ciencia. Tecnología y sociedad*. Pp.235-259. Biblioteca Nueva. Organización de Estados Iberoamericanos. Madrid.
- 2000 Entre papers, probetas y probanzas. In: A. Baptista (Ed.) *Venezuela siglo XX. Visiones y testimonios*. Vol. 2. Pp.80-106. Fundación Polar, Caracas.
- 2000 The Mobility of Human Capital from the Perspective of Latin American Science. In: J.Charum & J.B.Meyer (Eds.) *International Scientific Migrations Today. New Perspectives*. Capítulo 21. IRD Editions, Paris. CD-Rom. ISBN-2-7099-1445, ISSN 0767-2896. Also Spanish edition by the Escuela Superior de Administración Pública, Santafé de Bogotá.

Selected Peer-Reviewed Papers back to 2000:

- 2014 Cambios en las ciencias ante el impacto de la globalización. In: *Revista de Estudios Sociales*, vol. 50, septiembre-diciembre. Universidad de los Andes, Bogotá.
- 2014 Sanchez, B., H. Vessuri y J. Rosales. Análisis de gobernabilidad en un sistema socio-ecológico complejo: cuenca del río Caroní, Venezuela. Presentado a Interciencia.
- 2014 B. Sánchez, I. Sánchez-Rose, J. Rosales y H. Vessuri. Confluencias de las dinámicas socio-territoriales en la construcción de una nueva geopolítica. Escenas al Sur de Venezuela. In: *Revista Territorios* de la Universidad del Rosario, Colombia.
- 2014 B. Sánchez, J. Rosales y H. Vessuri. “Tuna, Tanno Iku’pö” – Valores culturales y ecológicos del recurso hídrico. El conocimiento del Pemón-Arekunä en la cuenca alta del Río Caroni – Venezuela. *Boletín Antropológico*. ULA, Mérida (en prensa).
- 2014 Vessuri H., J.-C. Guédon, A. M. Cetto. The current competition regime in science and scientific publishing in Latin America. *Current Sociology*, Special Dossier.
- 2014 López, M.S., C. Trocel, A. Hasmy, H. Vessuri. Estado actual de la nanociencia y nanotecnología en Venezuela. *Mundo Nano*, México.
- 2014 Dinámicas y tensiones de la internacionalización científica de América Latina. *Cuadernos Hispanoamericanos*. Madrid, Nro. 769-770, julio-agosto, 16-26.
- 2013 With Russell-Smith et al., Can savanna burning projects deliver measurable greenhouse emissions reductions, and sustainable livelihood opportunities for indigenous and local communities, in fire-prone settings? *Climatic Change. An Interdisciplinary, International Journal Devoted to the Description, Causes and Implications of Climatic Change*. ISSN: 0165-0009 (print version) ISSN: 1573-1480 (electronic version). Journal no. 10584.
- 2012 Editor and Introduction to Special Section: The Use of Knowledge for Social Cohesion and Social Inclusion. *Science and Public Policy*, vol. 39, issue 5, pp. 545-547, October. ISSN Online 1471-5430 Print ISSN 0302-3427.

- 2011 López, M. S., A. Hasmy & H. Vessuri. Nanoscience and Nanotechnology in Venezuela. En: *Journal of Nanoparticles Research*. DOI 10. 1007/s1 1051-011-0434-8.
- 2008 Competición y colaboración en un contexto de multiplicación de “centros de atracción” y “desiertos yermos” *Revista de Educación Superior*. ANUIES, México, No. 148, vol. XXXVII, 4, pp. 123-142.
- 2005 Laboratorios y experimentos. Democracia y política en la investigación industrial. *Cuadernos del CENDES*, N. 50, pp. 73-95, Caracas.
- 2005 With Canino, M.V. Rebelión de saberes. Los operadores en la Refinería de Puerto la Cruz. *Revista Venezolana de Ciencias Económicas y Sociales*, FACES-UCV, Vol. 28, N° 1, enero.
- 2004 La construcción de la capacidad tecnológica nacional: ¿qué papel para la investigación y desarrollo? *Interciencia*, 29(1): 8-9, Cabildo Abierto.
- 2003 Science, Politics, and Democratic Participation in Policy-Making: A Latin American View. *Technology in Society* 25: 263-273, Elsevier Science Ltd.
- 2002 Ethical Challenges for the Social Sciences on the Threshold of the 21st Century. *Current Sociology*, 50(1): 125-140, January. Sag.
- 2002 With M.V.Canino. Latin America Catalysis: As Seen through the Ibero-American Catalysis Symposia. *Science, Technology and Society*, 7(2): 339-363. Sage India Pvt Ltd., India.
- 2002 With Arvanitis, R. La coopération franco-vénézuélienne dans le domaine de la catalysis. *Revue internationale des sciences sociales*. La science et ses cultures. No.168, pp.221-238.
- 2001 Guest Editor and Introduction: la science et ses cultures. *Revue Internationale des Sciences Sociales*. La science et ses cultures, UNESCO, No.168, pp. 198-206.
- 2000. 'Mode 2' or the emblematic disestablishment of science. A view from the edge. *Science, Technology and Society*, 5(2): 195-207, Sage India New Delhi.

Recent Interviews:

- 2014. Traducción de asimetrías en el conocimiento: reflexiones de Hebe Vessuri. Entrevista a cargo de las Dras. Marcela Suárez and Sabina García. In: *CROLAR - Critical Reviews on Latin American Research*.
- 2014. Entrevista con el Dr. Denis Baranger. *Revista Avá del Postgrado en Antropología Social de la Universidad Nacional de Misiones, Posadas*.