

## RESUME

**Full name: Alvaro Valera Sosa**

**Date and place of birth: 25.09. 1973. Caracas, Venezuela**

**Web sites: [www.buildinghealth.eu](http://www.buildinghealth.eu) | [www.enah.eu](http://www.enah.eu)**

Architect and public health professional with 15+ years of international experience in healthcare building design and 5+ in green urbanism. Seeking to help develop urban concepts that comply with sustainable development goals and improve population health.

### ACADEMIC DEGREES

- Dipl. -Ing. Architekt homologation in 2013, at the Faculty of Architecture and Urban Design, Technische Universität Berlin
- MScPH in 2011, at the Berlin School of Public Health, Charité Universitätsmedizin Berlin
- Construction Manager in 2004, at the Faculty of Architecture, Universidad de Alicante
- Architect in 2002, at the School of Architecture and Urbanism, Universidad Central de Venezuela

### PROFESSIONAL PRACTICE EXPERIENCE

#### **Positions**

2018, Organization management of BHL Building Health Lab UG, Urban Planning and Design for Public Health

2018, Lead architect for Building Health Tanzania research and practice, TU-Berlin / FCCCT- KCMC (Kilimanjaro Christian Medical Center)

2008-09, Architectural design project manager, Corporacion Keydex c.a. Venezuela

2007-08, Project manager for design and installation of central sterile serv. (CSSD) at CISA Group S.p.A. Italy/Venezuela

2005-07, Architect, Nombela & Asoc. Consulting. Spain

### KEY PROJECTS

- UrbanCare. Responsible for initiating, developing and managing a web-based pedestrian planning platform for Berlin, 2020. [buildinghealth.eu/urban-care-platform/](http://buildinghealth.eu/urban-care-platform/)
- German Architects Declare. Responsible for initiating and managing a network of 185 architectural firms in attending the global climate and biodiversity emergency, 2019. [de.architectsdeclare.com](http://de.architectsdeclare.com)

### SCIENTIFIC PROJECTS

#### **Academic theses**

- Main Supervisor, “Active Mobility and Its Integration to Public Transport Network in Berlin”. Student Krishan Barr Rosso, February 2019.
- Main Supervisor, “Neighborhood Environment Evaluation along the U1 Radbahn: Opportunities for Urban Connectivity.” Student Shankar Narayanan, March 2018.

- Co-supervisor, “Sustainable Mother and Child Care Village for Africa.” Main Supervisor Maria Chiara Torricelli; Student Davide Neroni, July 2017.
- Main Supervisor, “Urban Planning Considerations supporting Health-related Outcomes for Kiang Wu Hospital, Macau SAR.” Student Anna Au, March 2017.
- Co-supervisor, “Artificial Intelligence in mental healthcare.” Main Supervisor: Krassimir Krastev; Student Djamilla Pietzner, June 2016.
- Co-supervisor, “A Walkability for Health evaluation study for 5 districts in Berlin.” Students Roberto Bertani and Serena Casarini, February 2016.
- Co-supervisor, “Evaluating pedestrian environments at urban rail stations: a comparative study of south Shaanxi road station, Yanchang road station and Xinzhuang station in Shanghai.” Student Riccardo Martins Pereira, June 2014.

## **EVALUATION PROJECTS**

### **Streetscape research evaluation**

- Internal street network of Charité Campus Mitte, Berlin. Commissioned by BHL 2019.
- Street network of Cimatarra, Colombia. Commissioned by Mayor Wilfran Fernando Sabogal, 2019.
- Street network along Noorderhaven in Groningen, NL. Workshop commissioned by the City of Groningen, 2019.
- Campus street network of Kilimanjaro Christian Medical Centre. Moshi, Tanzania. Commissioned by the Foundation for Cancer Care in Tanzania, 2018.
- Street network of Hosp. Sta. Ma. Nuova, Florence, Italy. Field study commissioned by University of Florence, 2017.
- Street network of San António Macao, SAR. 2016.
- Street network of Valetta, Malta. Commissioned by Anhalt University of Applied Sciences, 2016.
- Neighborhood environment assessments in the vicinity of Charité Virchow Klinikum, Berlin. 2016
- Street network at Karl-Marx-Allee viertel, Berlin. 2016.
- Street network of Hellersdorf Süd, Berlin, 2015.

## **ACADEMIC APPOINTMENTS**

### **Research, development, and supervision of proposed and granted projects**

1. BUA Verbundanschub Global Health
2. International Climate Protection Fellowship Program of the Alexander von Humboldt Stiftung
3. UrbanCare. CityLAB Berlin and the Technologiestiftung Berlin

## **TEACHING EXPERIENCE**

### **Curricula design, development and implementation in academia**

- Pocket Clinics and Hospitals for Indonesia – 12 CP, master students, TU-B 2017
- Raum Pilot a Center for Diabetes – 12 CP, master students, TU-B 2016
- Designing Medical Neighborhoods - 5 CP, master graduate students, POLIMI 2016
- Urban Walkability & Streetscape Design - 5 CP, master graduate students, TU-B 2016
- Urban Walkability - 3CP, master students, Dessau International Architecture (DIA) 2016
- Consecutive Places & Walkability – 15 CP, master students, TU-B 2014-15
- Active Places XL – 15 CP, master students, TU-B 2013
- Building Health – 3 CP, master graduate students, Charité Universitätsmedizin Berlin 2013
- Ask, Find, Think & Decide! Evidence-based design research, 3CP masters, TU-B 2013

## **DEPARTMENTAL ACTIVITIES**

2020. Studio Van Rijs, TU-Berlin Sekretariat A 27

2013 – 2018. Architecture for Health Department, TU-Berlin Sekretariat A 42

Aims:

Identify trends and update knowledge in three main evidence-based design research areas to develop proposals and publish scientific work.

- (1) health promotion: influence of neighborhood built environment features on health behavior
- (2) disease prevention: development of neighborhood level functions and services targeting specific diseases and populations.
- (3) clinical care: patient-centered and staff-focused designs.

## **PUBLIC PROFESSIONAL ACTIVITIES**

2018-20 Co-editor for the Cities & Health Journal (Taylor & Francis UK)

2019-20 Architects Declare vocal for Germany

2015 Scientific reviewer for Evisse, the editorial system from Elsevier

## **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

- German Alliance for Global Health Research - representative of Public Health
- Architects Declare Germany - founding member and manager
- Urban 95
- European Network Architecture for Health (ENAH) - research vocal
- Colegio de Ingenieros de Venezuela

## **RESEARCH GRANTS**

2020, International Climate Protection Fellowship Program of the Alexander von Humboldt Stiftung. Total grant: 35.640 €. Main supervisor.

2020, TU-Berlin Vizpräsidentin für Forschung, Berufsstrategie und Transfer im Rahmen des BUA Verbundanschub Global Health. 20.000 €. Main investigator.

2018, Chalmers University of Technology CVA grant for an Urban Health EU Report. 10.000 € Main investigator.

2013, Berlin Institute of Technology TU-interne Forschungsförderung. 16.000 €. Main investigator.

## **PUBLICATIONS**

- Construction and Design Manual, Hospitals and Medical Facilities, (2019). DOM Publishers ISBN 978-3-86922-674-3
- Healing Architecture 2004-2017, (2017). Braun Publishing AG. ISBN 978-3-03768-230-2
- ARCH 17 Conference Proceedings, (2017). Medical Neighbourhoods: Urban Planning and Design Considerations for Charité Virchow Klinikum. ISBN 978-87-93585-00-3
- Understanding walkability and walking rates in Berlin: an urban form and street pattern comparison. Die Psychiatrie Grundlagen und Perspektiven 2016; 13: 79-87
- Healing Architecture Evaluation. Management & Krankenhaus, June 2014.
- From Concepts in Architecture to German Health Economics. German Ministry of Health and Berlin Technical University, February 2012.

## **CONFERENCES**

### **Plenary, keynote or invited talks**

- PANDEMIC ESTATE, Designs for Healthy Cities. Higher School of Economics, National Research University of Moscow. November / December 2020. Keynote speech and Seminar
- Emergency Architecture in times of COVID19, Bolivia, May 5, 2020. Keynote speech
- COVID Talks, Santiago de Chile, April 17, 2020. Keynote speech
- Public Climate School National Talks, November 28, 2019. Keynote speech
- LetsGro Festival, Groningen, Netherlands, October 30, 2019. Plenary speech.
- HealthMaps, towards sustainable care, Chalmers University. Oct. 24, 2019. Invited talk.
- 1st AVAIMS Intl. Conference on Healthcare Design, January 29, 2019. Keynote speech.
- Make City Festival. Berlin, Germany, June 28, 2018. Building Health. Keynote speech.
- Urban 95 Expert Assembly. Amsterdam, the Netherlands, May 3-4, 2017. Invited talk.
- Arch17 Conference. Copenhagen, Denmark, April 26-27, 2017. Keynote speech.
- Medical Neighborhoods, a paradigm change in health care Event: IV Forum Architecture & Urban Planning, Florence-Italy December 16 2016. Keynote speech.
- Medical Neighborhoods, planning and design considerations Event Title: 9th European Public Health (EPH) Conference, Vienna- Austria. November 9th 2016. Keynote speech.
- Berlin Case Show – Walkability for Health. Walk21 Hong Kong. October 5 2016. Sub-plenary session.
- Medical Neighborhoods, Planning & Design Considerations. Event: Architecture and Healthcare at the 21<sup>st</sup> Century. Technion Institute of Technology, Haifa, Israel. September 6 2016. Keynote Speech.
- Medical Neighborhoods: planning and design considerations. Building the Future of Health International Conference. Groningen, the Netherlands. June 3 2016. Keynote speech.
- Walkability for Health Evaluation Method. Chalmers Technical University. Gothenburg, Sweden, November 2015. Keynote speech.
- Actual Trends as Determinants for Future Hospital Workplace. Creative Health 2. Wuppertal, Germany April 2015. Keynote speech.
- Health Promoting Hospitals. Arch 14 Aalto University. Helsinki, Finland, November 2014. Keynote speech.
- ICU workplace of the future. Dräger VisMed (Vision on Medical Care) Lübeck, Germany November 2014. Plenary speech.
- Walkability for Health, A Chronic Disease Prevention Strategy for Cities and People. International Conference on Urban Health, Manchester, UK March 2014. Keynote speech.
- Evidence-based Design Research for Healthcare. 4th Research Board Complex Constructions. Polytechnic University of Milan, Italy March 2014. Keynote speech.

## **FELLOWSHIPS, AWARDS AND HONORS**

2015 first prize for academic excellence was honored to the Consecutive Places & Walkability master course at the Berlin Institute of Technology Urban and Regional Planning School

### **Participation in organizing conferences**

- Healthy Ageing, Ageing in Place? International panel discussion. Tuechtig Raum für Inklusion, Charité Gesundheitsakademie Berlin. March 3, 2018. Concept development and management.
- Building the Future of Health International Conference. The ENAH sessions, Lost in Translation. Groningen, the Netherlands. June 3 2016. Concept development and edition of the session in collaboration with Prof. Dr. Cor Wagenaar and Arch Stefanie Matthys.