



# JULIAN TORRES

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## ADAPTECONII - PROJECT 4

### ADAPTECONII RESEARCH FOCUS

Julian's research delves into the current and future interactions between global steel supply chains and the environment, focusing on resource scarcity, stock mobility and closed-loop operations. The main objective is to support decision- and policy-making efforts oriented towards sustainability, helping to shape the future of steel in society, from mining to recycling. By using quantitative and qualitative modeling techniques, different scenarios will be created in order to identify and pinpoint potential, desirable and optimal points of action from the perspective of industries, governments and regulatory agencies.

### EXPERIENCE

Throughout his eight years working for multinational or large scale industries such as Nokia, Bosch and Accenture, Julian grew increasingly interested in the interactions that exist among the supply chains themselves but also in their exchanges with the environment. During this time, he was awarded a mention of Distinction for his Master of Engineering dissertation in International Material Flow Management (Trier Universität, Germany), for being the pioneer in determining the environmental footprint of optical fiber production operations by using Material Flow Analysis and Life Cycle Assessment techniques. This was supported by his two previous titles, a Master of Science degree in Environmental Management (Positivo University, Brazil) and Master of Business Administration degree in Logistics and Supply Chain Management (FAE Business School, Brazil), as well as by specializations in Resource Management and Sustainable Development (IFAS, Germany) and Supply Chain Development (ILOS UFRJ, Brazil).

### KEYWORDS

- Supply Chain Management
- Material Flow Management
- Sustainable Resource Management
- Operations and Production Planning
- Reverse Logistics, Warranty and Refurbishment
- Process Mapping and Auditing
- System dynamics modeling

### SUPERVISORS

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