

## **PROJECT: CarbonMAP-LatinAmerica**

The Sustainability Institute at the University of New Hampshire, USA, and  
Tecsuma Limitada, Santiago, Chile  
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### **Summary**

Working in partnership, the University of New Hampshire's Sustainability Institute and Tecsuma Limitada propose the installation of the software CarbonMAP-LatinAmerica (CMAP-LA) to spur and support the development of climate change and campus sustainability programs for colleges, universities and other institutions in Chile and Latin America. CMAP-LA is the adaptation into Spanish of CarbonMAP—a tried and trusted tool developed by and for US colleges and universities, engaging local partners, and focusing on campuses as “learning laboratories” to address climate change with effective mitigation and adaptation strategies. CMAP-LA will provide staff, faculty and students at institutions and universities across Chile and eventually other Latin American countries the resources they need to rapidly incorporate critical sustainability measures and climate action plans into both their curriculum and operations. In this regard, the adaptation, set to begin in early 2017, will benefit Universidad Austral de Chile and the Sustainable Campus Network (Red Campus Sustentable, RCS) of Chilean universities, and public and private entities or corporations that work with municipalities and other community organizations. A logical projection beyond the duration of the project will include users in production and service corporations, and business organizations.

This partnership will utilize a train-the-trainer methodology, thereby cultivating and supporting local expertise, leadership and innovation at institutions in countries, such as Chile, where the impacts of climate change are already being the most severe. Indeed, one key area of concentration of this three-year pilot program will allow cohorts of staff and faculty from at least a dozen universities across Chile and Latin America to gain training and experience in calculating institutional carbon and nitrogen footprints, creating campus-wide mitigation plans and targets, and creating institutional adaptation/resiliency plans and targets.

### **The Partners**

#### Project leads:

- *Sustainability Institute, University of New Hampshire, USA*  
The [UNH Sustainability Institute](#) facilitates integration of diverse perspectives, disciplines and knowledge to address sustainability's grand challenges. As a university-wide institute, it supports innovation across curriculum, operations, research and engagement. The institute acts as a cultivator and champion of sustainability on campus, in the state and region, and around the world, and is recognized for its unique, creative approach and thought leadership. One such example is its development and continued curation of the Campus Carbon Calculator, the tool used by more than 95% of the campuses across North America who are currently tracking their carbon footprints.
- *Tecsuma Limitada, Santiago, Chile*  
Tecsuma ([www.tecsuma.cl](http://www.tecsuma.cl)) is a private organization whose mission is to make the most up to date, technical, scientific and educational knowledge readily available to organizations and individuals in Chile that are working to advance sustainability, climate action plans and environmental protection. Tecsuma's origins and mission are strongly related to the career objectives and accomplishments of its founder, Dr. Jaime J. Cornejo, a Chilean scientist and former university professor with a record of achievement in developing initiatives and

programs for environmental protection and the pursuit of sustainability in public and private institutions. Dr. Cornejo has collaborated with UNHSI on several initiatives. In this case, Tecsuma and UNHSI have agreed to pursue much needed technology transfer and expertise to realize the adaptation of CarbonMAP to Spanish speaking users in Latin America while at the same time providing a unique context for effective programs that will train and educate professionals in Chile to become experts regarding climate change, sustainability and environmental protection.

#### Collaborators

- *Universidad Austral de Chile and Red Campus Sustentable, RCS (Sustainable Campus Network), Chile*  
[www.redcampussustentable.cl](http://www.redcampussustentable.cl)  
RCS is a network of Chilean universities —guided by John Ehrenfeld’s definition of sustainability (*the possibility that humans and other life forms will flourish in the planet forever*) —that is committed to the promotion of sustainability practices, ethics and values in every higher education campus, including the development of programs in environmental education for sustainability, technology and sustainability science, plus their projection to community organizations, businesses and the Chilean society as a whole. Created in 2010, RCS is currently a not for profit corporation.

- *Second Nature* [www.secondnature.org](http://www.secondnature.org)

Second Nature is a Not for Profit Corporation based in Boston, MA, USA. Its mission is to proactively build a sustainable and positive global future through initiating bold commitments, scaling successful actions, and accelerating innovative solutions among leadership networks in higher education. Second Nature envisions humanity thriving through healthy, just, and sustainable living within a dynamically changing earth system. We see higher education playing a prominent leadership role in shaping research, learning, and communities that inspire and operationalize this positive future. Second Nature serves as a critical driver for leaders in higher education that commit to this responsibility.

Second Nature coordinates taking action regarding the Climate Leadership Commitments (<http://secondnature.org/climate-guidance/the-commitments/>), that is having top university authorities subscribing that carbon neutrality and resilience are extremely high priority areas of action for all institutions, aiming to lead society in these efforts, and urging others to join in the effort of transforming society towards a sustainable, healthy, and more prosperous future.