

Education in Sustainability and Green Chemistry: addressing an increasing interdisciplinarity

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Instrument	Joint master's and/or doctoral training workshop
Description	The project aims at developing a strong and ongoing collaborative program in the offerings of two complementary Masters programs at University of Padova and at Monash University: the new Master in Sustainable Chemistry and Technologies for Circular Economy at UniPD and the Master of Green and Sustainable Technologies at Monash Both of these courses and others offered by both partners align completely with the strategic directions of both universities, whereby addressing climate change and resource depletion requires deep commitment through our education and research to create a more globally sustainable future which can be better attained through international collaboration. These training programs at Master level can be implemented at PhD level by leveraging on the existing and mutually integrating teaching experience, know-how and skills present at the two Universities. This type of PhD training is another dimension of raising awareness of green chemistry, green technologies and circular economy. The investigators want to share academic experiences in this space and develop some joint specialist workshops with international input, giving our PhD researchers an international perspective for their future employment.
Expected results	The major impact expected from this project is to promote a fruitful and fertile interchange of contents, skills, expertise underpinned in the two Masters established at the Italian and Australian universities, but also identifying where this can be expanded with other programs, also at PhD level. This will foster cross-fertilisation among the teaching staff and the students, and the multidisciplinarity of the project will grow opportunities for both increased staff and student participation. From the financial sustainability point of view, the initial financial support provided to this starting collaboration project will likely leverage further funding to be retrieved through further programs (e.g. national bilateral projects, Erasmus+ Mobilità per studio Oltre Europa etc., Horizon Europe projects). In addition, engagement with industry through these Masters programs and a PhD summer school program will demonstrate the value of international collaborations that produce

globally aware and highly skilled graduates that will make valuable employees.