



## Sustainability: The Case of Tourism and IT

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### Abstract:

"Sustainable development implies a resource management that at the same time guarantees the satisfaction of the present and future generations" (Brundtland Report), usually defined in a holistic way that involves social, economic, and environmental dimensions. At the IT industry it can be assumed that "software sustainability is software endurance that leads software development to accomplish results effectively for a long period" and IT can also be a tool to obtain greener solutions for society.

Sustainability continues to be a major focus of the scientific community even during the pandemics. Tourism is suffering with the pandemic crises that makes possible to stress its dependency of the air transportation. IT tools are available that create communication conditions without parallel, industries started to use them even at a greater extent and it is important to notice that tourism should create new ways of business that could increase its environmental and economic sustainability. In fact, if environmental conservation is so important to this industry, and the unexpected reduction of the airplane travels caused an environmental benefit, why not reinvent part of the industry for the post-pandemics reality? What are the new skills needed for this new reality?

Multi-specialization "requires a compromise between individual capacity and individual learning needs" but does it create new possibilities for the Tourism industry when sustainability is fundamental?

### Biography:

Rui Carvalho is researcher at the University of Lisbon and has also been working as a freelancer since 2010 until 2019. His main research interests are sustainability and technology. His academic background is in Economics and IT.



### Publication of speakers:

1. Carvalho, Rui & Costa, Carlos & Ferreira, Ana. (2015). "Community based tourism festivals in the Médio Tejo Region, Portugal – A potential for the specialized cultural consumption of Creative Tourism ".
2. Carvalho, Rui. (2014). A literature review of the role of cultural capital in creative tourism.
3. Carvalho, Rui. (2014). A literature review of the role of cultural capital in creative tourism.
4. SANTOS, João & Carvalho, Rui & Mota Figueira, Luís. (2012). A importância do turismo cultural e criativo na imagem de um destino turístico. *Revista Turismo & Desenvolvimento*. Vol.3. 1559-1572.
5. Carvalho, Rui & Ferreira, Ana & Mota Figueira, Luís. (2011). O CONTRIBUTO DOS EVENTOS CULTURAIS E CRIATIVOS PARA A CRIAÇÃO DE UMA IMAGEM DIFERENCIADORA DO DESTINO TURÍSTICO MADURO. O CASO DO FESTIVAL MED DE LOULÉ, ALGARVE.