Terms of Reference

Sustainable@EDU Policy Framework Architecture

Sustainable@EDU-PFA Program
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INTRODUCTION

The document outlines the Terms of Reference of the Sustainable@EDU Policy Framework Architecture (Sustainable@EDU-PFA).

The aim of Sustainable@EDU-PFA is to support the decision makers, providing context on information and communication technologies (ICT) jointly with Education reference documents and practices, in order to facilitate the planning, management and evaluation of specific Initiatives, projected or ongoing, envisaging to take advantage of the benefits of using ICT in Education.

CONCEPT AND METHODOLOGY

The concept of the Sustainable@EDU-PFA is based on sharing relevant data and knowledge related to the development of Initiatives on ICT in Education and the methodology is supported by the analysis of such elements as well as the elaboration of documents and presentations for a specific Initiative, ongoing or projected.

The Sustainable@EDU-PFA is based on three components: Assessment (Startup), Workshop (Accelerator) and Co-Work (Development) which are adjusted for each specific project or country.

TARGET GROUP

The Sustainable@EDU-PFA intends to address Public and Private entities (Companies, Hubs, International Organizations etc.) developing a plan to initiate or expand an Initiative related to ICT in Education (e.g. Government, Group of Schools etc.).
OUTCOMES

As the aim of the Sustainable@EDU-PFA is to support the development of ICT Education Initiatives, the expected outcome of the Program is to provide participants with the necessary support on the elaboration of documents and presentations integrated in the decision-making process.

DESCRIPTION – Executive Summary for each of the components

The Sustainable@EDU-PFA includes Three Components, which are part of a single Program. Although each of the Components can be developed and implemented independently in specific cases. The Three Components are summarized below:

- **Assessment - Startup** - Framing an Initiative;
- **Workshop - Accelerator** - Providing and Sharing Knowledge;
- **Co-Work - Developing** a Work Plan.
ASSESSMENT - STARTUP (STUDY VISIT)

The first component of Sustainable@EDU-PFA is the Assessment and the identification of the main elements that allow the development of a specific ICT Education Initiative, as some examples below:

- Project Scope;
- Project Calendar;
- Relevant Stakeholders;
- Main Regional\National Documents;
- Financing Models;
- Other aspects relevant for a specific Initiative.

DELIVERIES: Produce a Report including two or more scenarios on a specific Initiative. The scenarios summarize four perspectives in line with the three dimensions of the SDGs (economic, social and environmental) plus education.

“The three dimensions of sustainable development: the economic, social and environmental”

United Nations General Assembly Resolution 70/1

WORKSHOP - ACCELERATOR

The Workshop serves as the context to produce a critical analysis of the main reference documents and best practices applied to a specific Initiative.

A practical exercise will take place during the Workshop aiming to produce a draft Concept Note and a Draft Presentation of the Initiative.
EXAMPLES OF INTERNATIONAL REFERENCE DOCUMENTS TO BE ANALYZED

- **UN CHARTER - EDUCATION** and other related documents

- **Sustainable Development Goals (SGDs) - G4 and other applicable Goals**

The aim is to make an analysis of the content of the United Nations General Assembly Resolution “70/1. Transforming our world: the 2030 Agenda for Sustainable Development” in what concerns education and technology as well as its monitoring process, with a particular attention to the 43 indicators for Goal 4.

- **SDGs Literacy**

UNESCO: Learning Objectives: Education for Sustainable Development Goals

https://millenniumedu.files.wordpress.com/2017/03/247444e.pdf

- **UNESCO Incheon Declaration** and subsequent documentation


- **UNESCO Qingdao Declaration**

https://millenniumedu.org/qingdao-declaration/

- **NMC Horizon Report**

https://www.nmc.org/nmc-horizon/
EXAMPLES OF INTERNATIONAL BENCHMARKS

WEF – World Economic Forum
The Global Competitiveness Report
https://www.weforum.org/reports/the-global-competitiveness-report-2016-2017-1
The Global Information Technology Report

ITU – International Telecommunications Union
ICT Facts and Figures

UNESCO
Sustainable Development Goals (SDGs) Indicators
http://uis.unesco.org
https://unstats.un.org/sdgs/

OECD - PISA
Programme for International Student Assessment (PISA) The Organisation for Economic Co-operation and Development (OECD)
http://www.oecd.org/pisa/

TIMMS/PIRLS
International Association for the Evaluation of Educational Achievement
IEA’s TIMSS & PIRLS International Study Center conducts regular international comparative assessments of student achievement in mathematics and science (TIMSS) and in reading (PIRLS)
http://timssandpirls.bc.edu
EXAMPLE OF INTERNATIONAL FRAMEWORKS

INTEL

Intel® Education Transformation model

Microsoft

Microsoft Education Transformation Framework

Overview on some others, COSN etc
Trusted Learning Environment (TLE) Seal
http://www.cosn.org/focus-areas/leadership-vision/protecting-privacy

DELIVERIES: Presentation of possible or ongoing Initiative and other documents when applicable

CO-Work – WORK PLAN

The Co-Work component will focus on the support of a Work Plan implementation identifying the main challenges and possible solutions in political, operational and financial areas, such as:

- Management Structure
- Managing Tools
- Financing Models

DELIVERIES: Developing a draft Work Plan with the agreed detail and timeframe.
Mario Franco
Founder & Chairperson

Millennium@EDU SUSTAINABLE EDUCATION

Mario made studies in philosophy. His background is linked to associative structures in different areas from youth to development and environment. Later on he has dedicated his attention to public policy, focussing on Information and Communication Technologies. As from 1995 he has been involved in eInclusion Projects and Programs at national and international levels.

From 1996 to 2004, he chaired the Foundation for the Promotion of Information Technology (FDTI), a network of more than 300 training centers, and coordinated a special Program to promote science education. Afterwards he worked as a consultant until 2008.

In 2008 he assumed the post of President of FCM - Foundation for Mobile Communications having previously been the coordinator of the Portuguese Information Society Fund – preceding FCM. Mario led a team that has developed and managed the eSchool Program. This Program has allowed the access to a mobile computer and internet to 1.7 million people in Portugal, which was considered one of the most successful initiatives in this field.

As manager of the eSchool Program, Mario has worked with many companies, governments and institutions, in particular he chaired the International Expert Group of World Telecommunication Policy Forum (WTPF) organized by the International Telecommunication Union (ITU) and was a member of the Strategy Council of The Global Alliance for Information and Communication Technologies and Development (GAID) of the United Nations.
As a follow up of his experience in education and technology at different levels, including international level, Mario is currently the Chairperson of Millennium@EDU SUSTAINABLE EDUCATION and the coordinator of the Sustainable@EDU PROGRAM http://millenniumedu.org, that aims to make accessible the information, communication and scientific technologies (ICSTs) to learning, education and inclusion under comprehensive initiatives with impact in local socio-economic development. The Sustainable@EDU PROGRAM is committed to contribute to the United Nations Secretary-General initiative “Education First” http://www.globaleducationfirst.org and for the United Nations Sustainable Development Goals (SDGs) https://sustainabledevelopment.un.org/sdgs

Mario is a regular speaker at conferences around the world on Education and Technologies organized by relevant institutions such as UNESCO and International Telecommunications Union (ITU) among many other institutions and governments.
ANNEX B – “Transforming our World: The 2030 Agenda for Sustainable Development”


ANNEX C – “Education for Sustainable Development Goals – Learning Objectives”

http://unesdoc.unesco.org/images/0024/002474/247444e.pdf
ANNEX D - "Incheon Declaration and Framework for Action – for the implementation of Sustainable Development Goal 4"

http://unesdoc.unesco.org/images/0024/002456/245656e.pdf

ANNEX E - "UNESCO Qingdao Declaration - International Conference on ICT and Post-2015 Education"


06.12.2018