Terms of Reference

ICT EDUCATION Policy Framework Architect

Program
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INTRODUCTION

The document outlines the terms of reference of the work of the "ICT EDUCATION Policy Framework Architect".

The aim is to support the decision makers providing context on information and communication technologies (ICT) and Education reference documents and practices in order to facilitate the planning, management and evaluation of Initiatives projected or ongoing, envisage to take the best benefit of using ICT in education.

CONCEPT AND METHODOLOGY

The concept of the ICT EDUCATION Policy Framework Architect Program is based on the sharing of relevant data and knowledge related to the development of Initiatives on ICT 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 to be launched.

The Program is based in three components: Assessment, Workshop and Coaching which will be adjust for each specific project or country.

TARGET GROUP

The ICT EDUCATION Policy Framework Architect Program is addressed to Public and Private entities developing a plan to develop or expand, an ICT in Education Program or Initiative (e.g. Government, Group of Schools etc.).

Public or private entities interest in ICT for Education are included as a Target Group (Companies, Hubs, International Organizations etc.).
OUTCOMES

The aim of the ICT EDUCATION Policy Framework Architect Program is to support the development of ICT Education Initiatives and the expect outcome of the Program is to support the participants on the elaboration of documents and presentations integrated in the decision making process.

DESCRIPTION – Executive Summary for each of the components

The Program includes Three Components, which are part of a single Program. Although each of the Components can be develop and implemented alone in specific cases.

- **Assessment** - frame a possible Initiative;
- **Workshop** - provide and share knowledge;
- **Coaching** - develop a Work Plan.
ASSESSMENT (STUDY VISIT)

The ICT EDUCATION Policy Framework Architect Program first component is the Assessment and the identification of the main elements which allow the development an ICT Education Initiative.

- 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 project in the country. The scenarios summarize four perspectives in line with SDGs three dimension (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

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

In the Workshop a practical exercise will be realized to produce a draft Concept Note and a Draft Presentation of the Initiative.

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/

INTERNATIONAL INDICATORS
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

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

COACHING – WORK PLAN

The Coaching will focus on the support form the preparation of a Work Plan identifying main challenges and possible solutions in political, operational and financial areas.

Management Structure

Managing Tools

Financing Models

DELIVERIES: Developing a draft Work Plan with the agreed detail and timeframe.

ANNEX A – BIO MARIO FRANCO

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.

In 2008 he assumed the post of President of FCM - Foundation for Mobile Communications having previously been 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, considered one of the most successful initiatives in this field.

As manager of the eSchool Program, Mario has been working 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 he has been a member of the Strategy Council of The Global Alliance for Information and Communication Technologies and Development (GAID) of the United Nations.

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

As a follow up of his experience in education and technology at different levels, including international level, Mario is now coordinating the Millennium@EDU Program http://millenniumedu.org 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 Millennium@EDU Program is committed to contribute for the United Nations Secretary-general Initiative “Education First” http://www.globaleducationfirst.org and to 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 – UNESCO: Learning Objectives: Education for Sustainable Development Goals

Education for Sustainable Development Goals

Learning Objectives