A2. Introduction

Within the target group, the Introduction Posters (A, B, C, D, and E) initiate communication about the Self-Powered Concept (SPC) which is addressing social and economic development (SED) and disaster risk reduction (DRR) in a particular community. Emphasis is given on integrity of the SED and DRR. The objective is to assist understanding of new challenges and their principles of feasibility and sustainability. Posters are intended for public discussion to include academic sector (universities and R&Ds), public and private sectors (potential stakeholders), international and local banks, and others, interested in a better and sustainable life on Earth. The SPC approach emphasizes the “Self” in individuals and the community as a source of energy to bring out the desired change: self-awareness, self-management, self-efficacy, self-esteem, etc. Poster A illustrates a position of humans in the environment (the Universe), in a context of climate change, population growth and a lack of willingness of people to behave rationally in the sense of their long-term self-preservation.

A4. SPC Concept Cycles and the Scope of a Task

A5. Human and Unity

Spiritual life is based on and linked to intellectual and physical substance of the daily life of humans. The integrity of the unity and principles in the Holy Trinity offer a great methodology for mediation on complexity of life. It is a solid base for the relationship “God to human” and it is applicable worldwide and reflects on the global human material life in all communities and regions. The representation integrates six components, which - if they are in harmony - provide a view on the world around us in which people can understand. A specific example or a test of it or how a sense of unity of people (or solidarity) can be - actually at global level - observed and studied on issues of implementation and enforcement of the Carbon Tax.

A7. Social and Economic Development (SED) and Principles

Material and energy substance of human life are rigidly linked to socio-economic development (SED) in a Christian context. Material and energy substance of human life are rigidly linked to socio-economic development (SED) in a Christian context. SED is addressing social and economic development (SED) and disaster risk reduction (DRR). Principles of feasibility and sustainability.

A3. Bipolarity Principle and Its Practical Application

The dialectic represents a philosophical category, which depicts a debate of a unity of opposites through polarities (e.g. north-south, yes-no, male-female) which people normally perceive. Bipolarity examines objects through two polarities interconnected into one unit. It arranges elements and their relationships within the object into positions of contrasts (a, b, c, d) and into a contradic- tion in terms (a, b, c, d).

6. Personal and Professional Growth

Before, an impact of a good and an evil on transformation of a foolish (or inexperienced) person into a diligent and hard-working person. Such change leads to the stage of maturity. However, what happens when one is not responding by acting and adaptation? When one doesn’t have the talent or the ability? A truly skilled person working hard might lead to a disaster. This illustrates the simplest case when two polarities interconnected into one unit bring a quick, yet comprehensive view of human social potential.

A9. STORY 1: Target Group, Key Players and Beliefs for Final Beneficiaries

The target group (Active Population) and Key Players (Potential Shareholders) are illustrated in the story. Local “Diamond” (Final Beneficiaries) are linked to SPC Utility.

A10. STORY 2: Characteristics (souls) of Target Group and Key Players

Input - Internalization (Internal Character) Output - Externalization (External Performance)
B.2. Introduction
Cycles of economic development and wars were typical for the last century while the threat of climate change has been underestimated. Interest in tapping of natural wealth in developing countries is growing and environment continues to worsen the life of a community. Synergy effects and investment in a portfolio of projects are still considered a high risky operation. Integrity is missing and - logically - a large portion of capital investment (not only in developing countries) is consumed ex-post, through humanitarian aid. Therefore, it is useful to come back to the time of Aristotle and realize where we are now after more than two millennia. Oddly enough, human souls are almost the same only impacts of change are much more realistic. Urban planning, architecture and poetic nature of contexts are different and the share of infrastructure per capita is growing dramatically over the past 100 years. Coal and oil have replaced wood and the less than 5% of the total time since Aristotle has brought Carbon Problem (an emergence to solve CO2 emissions). This is the self-powered message addressed to communities around the world (carbon is not a local pollutant).

B.2. Motto
Developing countries need assistance in areas where local people have their roots and pose the courage to protect their own freedom, property and identity: Can we see motivation of developed countries to assist them? Definitely yes. It is a necessity: Common understanding protects everyone as disasters, wars, refugees are serious hazards to all of us.

B.4. Territorial Units (e.g. Province) and Disaster Risks Reduction (DDR)
Most communities in developing countries need to have a local environment, educate local (central) governance and strengthen civil society. Disasters caused by climate change and by human intolerance increase human vulnerability and instability and can cause an increase in costs related to strong governance. Resilience and vulnerability of inhabitants of a territorial unit (e.g. a province) against disasters should be discussed in more detail and on pragmatic level (the end justifies the means). The Wall Chart - poster technique is here to contribute (to initiate) such discussion and promote transfers of engineering and banking skills from developed countries to local territories (provinces) of developing countries.

B.5. Business and Ethical Rules
A trend - "Business Rules, Ethics and Legal Environment" - is taking its place. Answers to question it brings are often in pragmatic approach (to implement) such ethics and promote transfers of engineering and banking skills from developed countries to local territories (provinces) of developing countries.

B.7. STORY 3: Natural Wealth and Infrastructure Waste
The architecture of buildings corresponds to a tradition and to availability of construction materials (WEMAF drives take this reality into account). An example is a driver E: electrification, e.g. by solar technologies (integrity, solar power, energy storage and demand response - see Battery solution in diagram). But it is not often true in developing countries where we can see electric power grid missing or in a poor repair or where there are not building skills of sufficient quality to allow for installation of solar panels. Especially in rural and peri-urban areas is frequently impossible to find roofs stably sound enough to support solar panels and protecting them against thieves can also be a challenge.

B.9. Architecture

B.10. Urban planning

B.11. Aristotle
Aristotle defines the essential changes of life (water, fire, earth, air) that correspond to modern physics (liquid, plasma, solid, gas). WEMAF drivers Water, Electricity, Fire, Material and Air are derived from Aristotle's elements (transferred into present needs of SED and DDR-based projects). Driver F - Finance is also an expression of Aristotle's wisdom. "That which nobody owns, nobody will care for" Impacts of climate change (record high temperatures, drought, changed weather patterns, violent storms and floods, etc.) affect humans in increasing pace and they are magnified by the ongoing population growth which by itself represents extra challenges in access to water, energy, materials and financial resources (see more about WEMAF drivers in D7).

B.12. Disasters and Refugees
Climate change generated as well as man-made disasters, along with economic disruptions and adjustments due to globalization, not to mention concerns for safety from local wars, terrorism contribute to forced migration in many parts of the world. All these are additional reasons for implementation of the proposed solutions.
D2. Introduction

Any organization and meeting at governmental or expert levels should be supplemented with new current data at strategic level (thus, for example, comparison of results and outcomes of communities via benchmarking). The SPC Concept offers integration of SED and DRR projects (for example, work on implementation of the conclusions of the United Nations climate change conferences in Paris, conclusion of the Summit on Financing sustainable development and developing sustainable finance in Addis Ababa, and conclusions of other summits, conferences and meetings). Challenges related to influx of refugees to Europe are - to some extent - also a mirror of disorder within the global development community. But what are the alternative solutions and how could they look in the real life? We can't only see the poverty, destruction caused by earthquake, or political instability but we also should see the signs of progress and examples of resilience through initiatives of local communities. Pioier D proposes a wall chart for a wider discussion among people in a province: how to understand integration of approaches and projects and why and how to start a pilot project.

D4. Infrastructural Projects and Functions of the SPC Utility

Projects of the SPC Utility (project portfolio, financial control and MEMS4 acquisition) represent the second "track". Together, they represent six tasks, challenges in a standard package with an internal structure of six items. The goal is to select the most important items and to search for common human interest through the tracks' structure (comparatively stronger relationship). The next step is identification of priorities of all items in the package and their arrangement according to specific purposes. Apart from the main core items separately, the whole package as so as the effect of external influences is concerned represents nothing more than a common sense analytical approach.

D5. SPC Utility Operations and Results of Values Growth in a Community

If a financial agreement is signed, each project passes through standard procedures (tendering, contracting, monitoring, implementation, financial closing). The first track illustrates the process. Subsequently, wealth within the community starts to grow, living standard is raised and human resources within the community expand as well. The second track illustrates that process. For success of tasks for both tracks the most critical is performance of qualified personnel, internal financial control, and building of MEMS4 plus Agro Industry (UA) zones. Together, both tracks form a project for a work analysis. The diagram can be analyzed as a checklist of tasks at various stages of the project.

D7. SPC Utility Forming and Participation of Donors

Legend: Renewable Energies Sources (RES), Renewable Industry Sources (RIS), Benefit, Opportunity, Costs, Risks (BOC), Business Motivation model (BMM).

D9. Pilot Project - Analysis of Project Portfolio

How reassure international financial institutions and local banks (Donors) to trust in feasibility of a project portfolio in a responsibility of SPC Utility (located in a province of a developing country). Application of "Decision Support Models" is recommended. OMG (Object Management Group) product Analytical Hierarchy Process (AHP) is a good example. Together with Business Motivation Model (BMM) both the verbal inputs and output procedures are based on the BOCH methodology (Benefit Opportunity derived by Cost Risks). It can bring the expected fruit. However responsibility for decisions is still on the "Decision Maker", modeling only assists him. Such modeling is useful for assessment and maintaining of projects in the portfolio, or for success in tendering and contracting of services, material and works, etc. This is a transparent and real value of consulting services for developing countries.

D11. Pilot Project - the Philippines

The Philippines is a beautiful country with a strong ambition to trust in feasibility of a project portfolio in a responsibility of SPC Utility (located in a province of a developing country). Application of "Decision Support Models" is recommended. OMG (Object Management Group) product Analytical Hierarchy Process (AHP) is a good example. Together with Business Motivation Model (BMM) both the verbal inputs and output procedures are based on the BOCH methodology (Benefit Opportunity derived by Cost Risks). It can bring the expected fruit. However responsibility for decisions is still on the "Decision Maker", modeling only assists him. Such modeling is useful for assessment and maintaining of projects in the portfolio, or for success in tendering and contracting of services, material and works, etc. This is a transparent and real value of consulting services for developing countries.

D13. Summary for Pilot Project

Investment in infrastructure doesn't need financial speculation. It is a type of investment that needs smart performance in project's processes (tendering, contracting, monitoring, financial closing, auditing and evaluation). The goal must be due diligence implemented in every project in the project portfolio. In other words. Those who for infrastructure usage should know what the impacts of such investment on their future are. Communities have own representatives and WEAPM drivers are a strong tool for optimization of income and expenditure of community's budget.
E.2. Introduction
Posters A, B, C, D, E, and F present a challenge focused on five functions of the SPC Utility (defined by WEMAF drivers). All this relates to the fundamental question concerning the status of global fiscal policy on capital investments in SED and DPR-related projects. Of importance is an inquiry and analysis of impacts on middle and lower-income segments of population. Success in any country depends on a positive human and human infrastructure needs and concentration on priorities and on management of a small number of core elements (for example, project portfolios). Investments in clean energy and skills for the digital age are recommended as they further support and enhance synergies impacts of the SPC Concept. Poster E summarizes requirements on the current status of local investment activities (requirement concerning transportation and telecommunications are also dependent on access to electricity). The Wall Chart – Poster navigates and identifies priorities for a common worldview discussion among people who might otherwise lack an opportunity to discuss their local infrastructure needs publicly.

E.4. WEMAF Drivers of Local Infrastructure and Goals of Target Group

Two triads are analyzed. The first one defines “Waste” as a material of all infrastructure that people need in order to satisfy their desire for improved standards of living. It simply presents people demand from both animate and inanimate nature to serve them in a broad spectrum of infrastructure (e.g. industrial and chemical factories, coal mines and oil extraction, food production, leisure activities, and many things in the nuclear fuel cycle). The waste infrastructure is generated without limits established by the Nature itself (natural laws are another matter). The second triad presents three core issues (components) of the target group: human infrastructure concerning cost management, institution for common cooperation and financial resource for specific results. The goal is to present a stimulus for target group and initiate first steps in preparation of pilot projects for specific clients.

E.5. UN Mission and Leadership of People for a Success in Global SED and DRR Mission

Generations have gone through more than two millennia and a huge amount of positive know-how and good examples exists. The modern age brings the sharing of this value between the existing industrial and coming post-industrial period (a new digital age). Not all opportunities are coming. The key tasks for the UN and European Convention are to prevent stop wars, to react as rapidly as possible and to render business opportunities, help to implement international cooperation, to cooperate as fast as possible for the goal is to improve preparedness and the ability to react to impacts due to climate change. The first triad demonstrates human needs for integration of the huge potential of knowledge gained throughout history and innovative present opportunities in science. Humans have substantial experience as development of rules at global, regional, and local levels as the legal system attests to. In general, laws are out there, but what is missing is integrity. The second triad builds on that. Examples show how big obstacles of humans are accompanied by equally large risks, very often associated with the failure of human thinking and even human “common sense” (see, for example, tragedies of World Wars and other armed conflicts or totalitarian regimes). We can only hope that the United Nations finds the right way to move forward and to assist people (their clients) in navigating towards solutions with projects of true added value.

E.7. STORY 9: SPC Utility, Local Governments and Long Term Loans (up to 30 years)

STORY 8: SPC Utility Foundation, Shareholders and SPC Utility Operations

STORY 9: SPC Utility, Local Goverments and Long Term Loans (up to 30 years)

Impact of: Biological Waste of Plants and Animals, Infrastructure, and Waste of the Human Population

E.8. STORY 10: Influences on Pilot Projects, SPC Utility Networking Around the World

The first step is to start with preparation and implementation of a pilot project and to apply franchise templates. The most important is to gain an interest and commitment from the target group (for example, via Citizen’s Charter), and interest of potential donors (e.g. through prospects) and in parallel - to solve alternatives, hierarchy of criteria (e.g. by assistance of experts in Analytical Hierarchy Process, AHP). Networking process-building scheme is indicated below.