**Call for Project Partner**

**Background on Caritas Czech Republic in Mongolia**

Caritas Czech Republic (hereinafter referred to as “CCR”) is a Czech non-profit non-governmental organization implementing development and humanitarian projects in abroad (besides working in the Czech Republic).

CCR has been working in Mongolia since 2006, implementing projects in the field of health, social work, preschool education, restoring livelihoods, humanitarian assistance, disaster risk reduction and environment protection.

Since 2012, CCR has been leading four years project funded by the European Union SWITCH-Asia program. The project aim is to reduce environmental impact of the construction industry through introducing new construction materials based on fly ash and creating new greener construction standards. CCR is now preparing a new project proposal under the SWITCH-Asia program (the deadline for the submission of the concept note being 9 February 2015), utilizing the experience and contacts it has gained under the current project. The new project will focus on building sustainable construction waste management based on recycling of used construction materials. To utilize Czech know-how and experience in this field, CCR is looking for a partner interested in cooperation and able to perform the tasks described below. If approved by the European Union that would cover 80% of the total project budget, CCR will seek co-funding from other resources, first of all from the Czech Development Agency. Therefore potential partner who could also provide co-funding will be highly considered.

**Introduction to the context in Mongolia**

The construction industry has expanded rapidly in recent years in Mongolia following an increasing urbanization, rural – urban migration, economic growth and strong demand from both public and private sector. A wide variety of projects will keep the construction industry busy for the foreseeable future. The building and construction materials industry is on the rise, as demand for all types of products – from concrete to metals– is set to increase in the coming years. For the time being, building materials supply remains strongly dependent on the import (more than 50 % of the construction materials are imported) despise the governmental policy to increase local production capacity and make it self-sufficient.

The booming industrial sector in Mongolia faces several environmental issues and one of the main one pointed out by the key stakeholders of the sectors is related to construction and demolition waste. It is estimated that construction waste accounted for 20 - 25 % of the overall solid waste produced in Mongolia (900 000 tons of waste concrete per year). Construction and demolition waste is one of the largest waste streams in Mongolia. In Ulaanbaatar, plenty of construction waste is being pilled in illegal disposal places without even simple processing. Construction waste illegal dumps consist of large amounts of blocks, bricks and cements. So far, no assessment of the waste situation in the construction sector has been conducted and state authorities do not have relevant data and statistics on the construction waste issue. Moreover, construction companies do not prepare any project of C&D waste management plan and assigned professionals to supervise the waste management of their project. Construction companies do not have any records keeping procedures, proper inventory system to classify different types of waste and waste separation arrangements. Most of the professionals and workers of the sector lack awareness on the waste issue and the 4Rs (Reduce/Reuse/Recycle/Recover) approach.

On the other hand, the UB municipality is planning the demolition of a considerable number of outdated building and over 324 buildings will be dismantled in the coming years. However, there are no trained and certified companies experienced in the demolition process and so far no regulation is providing guidelines on, selective dismantling/demolition methodology and sorting and segregation arrangements. The regulation on demolition does not mention at all the waste management issue.

Recycling sector in Mongolia is in its early stage and there are around 8 recycling factories processing different waste materials such as metal, plastic, alloy and glass. Moreover, there are two projects of establishing recycling plants to process construction materials waste such as concrete, bricks in order to produce aggregate for road and construction and some light concrete blocks. However, there is a lack of knowledge and no existing standards for high grade material recovery from demolition and construction waste. Several building materials producers are recycling EPS waste for lightweight EPS concrete blocks and iron materials. However, those companies faced difficulties to market their products as consumers and builders companies lack confidence in the quality and property of recycling products.

The parliament of Mongolia ratified the Green development strategy in June 2014. This road map is addressing the waste issue as a key priority and plan to introduce and strengthen environmentally friendly new technology that supports good waste management, set up an efficient waste management system, support SMEs conducting business activities connected with collecting, transportation, reposition, sorting, recycling and re-processing of solid waste through direct and indirect economical means.

According to the Green development plan, the rule of 3R (reduce, reuse, recycle) will be introduced in an appropriate, innovative management of solid waste in the cities and settlements; reusing and recycling of solid waste will reach 25% by 2016.

**Conditions to be met by the partner**

To be eligible for cooperation under the new project, the partner must:

* Be a legal person
* Be non-profit making
* Be a specific type of organization such as: non-governmental organization, public sector operator, local authority, international (inter-governmental) organization
* Be established in a Member State of the European Union, European Economic Area, or in a country from the Instrument for Pre-accession Assistance
* Be able to declare that is not in any of these situations:
* bankrupt,
* guilty of grave professional misconduct,
* not in compliance with its obligations relating to the payment of social security contributions or the payment of taxes in accordance with the respective legal provisions.
* Prove its technical capacity to perform the tasks specified below

It is highly desirable that the partner is able to obtain co-funding.

**Tasks to be performed by the partner**

1. Conduct a baseline study on the construction and demolition waste management in order to identify shortcomings (t least 1 month fact finding mission in Mongolia). The baseline study will cover the following topics:

* Coordination between the different stakeholders (developers, designers, practitioners, contractors and subcontractors)
* Legal framework and monitoring/inspection system
* Assess existence / non-existence of an efficient construction and demolition (C&D) waste management plan and status of its dissemination towards the workers
* Availability of human resources capable of performing the tasks linked to C&D waste management, existence / non-existence of capacities to educate the respective workforce
* Existence / non-existence of demolition plans (defining sequence of operation to be followed, selective dismantling/demolition methodology, sorting and segregation arrangements)
* Materials supply chain (coordination with suppliers/inventory/storage of building materials and handlings of the material/cutting operations procedures), solutions to optimize the supply chain
* Records keeping procedures
* Health and safety procedures
* On site waste separation practices (including hazardous waste separation practices)
* Details of waste types produced by construction and demolition works

1. Elaborate training materials and guidelines for different target groups (construction and demolition companies, inspectors), namely:

* Guidelines to establish an efficient C&D waste management plan at different stages (planning, tender procedure, construction and demolition phase) taking into consideration reduce, reuse and recycle adequacy priority
* ToR for C&D waste management officer
* Sorting and segregation procedures and arrangements guidelines for construction phase
* Records keeping and inventory tools
* Demolition waste guidelines (sequence of operation to be followed (Predeterminated and documented, selective dismantling/demolition methodology, sorting and segregation arrangements)

1. Train the trainers on the training material (1 to 2 full week training of trainers, 3 trainers will be identified), train on the materials, methodology (Including training on site) on how to deliver trainings to different targeted groups.
2. Conduct case studies of C&D materials that could be reused or recycled, namely:

* Using the baseline study, identify waste materials that could be reused or recycled (stony fractions of concrete/bricks, aggregates, gypsum plastic, iron, etc)
* Prepare at least 5 case studies of materials that could be reused / recycled. The case studies shall contain: specification of conditions the material has to meet to be recyclable, description of the recycling procedures needed, technology and equipment needed (the technology and equipment must be applicable by local SMEs), final product properties, scope of use, compliance with EU standards
* The cases shall be validated by Mongolian University of Science and Technology (MUST)

**Benefits for potential partner**

Participation in the project will provide the partner with a valuable experience of working in foreign environment and implementing an EU funded project.

The partner will also have an opportunity to establish professional contacts with foreign academic, state and business organizations engaged in construction sector and construction waste management.

**How to apply**

Entities meeting the above specified conditions should send their applications in English to the following e-mail addresses: [thibault.chapoy@caritas.cz](mailto:thibault.chapoy@caritas.cz), [evzen.divis@caritas.cz](mailto:evzen.divis@caritas.cz) and [petr.choutka@caritas.cz](mailto:petr.choutka@caritas.cz).

The application should contain:

* Brief (max. 1 page) letter of intent.
* Brief (max. 1 page) description of the respective technical capacity and experience, with reference to the respective certificates when relevant (scans of the documents are sufficient).
* Brief (max. 2 pages) description of the team that would be in charge of the project.

The applications should be submitted by 15 January 2015.