

## **GRANT PREPARATION REPORT - AVAILABLE FOR THE PROGRAMME COMMITTEE (when PC is required)**

### **PROPOSAL INFO:**

<p>Proposal number: 700626</p> <p>Acronym: iCROSS</p> <p>Title: Intelligent Portable ContROl SyStem</p>	<p>Call / Subcall: H2020-BES-2014-2015 / H2020-BES-2015</p> <p>Topic: Border crossing points topic 1: Novel mobility concepts for land border security</p> <p>Type of action: Research and Innovation action (RIA)</p>
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### **PROPOSAL BUDGET:**

#### **Ranking list:**

Proposal Total Costs: [REDACTED] EUR

Proposal requested EU funding: 4,501,877.50 EUR

Recommended EU funding: 4,501,877.50 EUR

Duration: 36 months

#### **GA**

#### **Preparation:**

Action Total Costs: [REDACTED] EUR

Max Grant Amount: 4,501,877.50 EUR

Start date: 01/09/2016

Duration: 36 months

#### **Change of partnership when compared to the proposal (No)**

*(If yes please provide details and justification)*

#### **Significant changes of funding when compared to the proposal (No)**

#### **Change of duration when compared to the proposal (No)**

*(If yes please provide details and justification)*

#### **Other countries or International Organisations which get exceptional funding (No)**

*(If yes, is the funding in line with the note of Funding of legal entities from third countries in Horizon 2020?)*

#### **Have any ethics issues been flagged? (Yes)**

*(If yes please provide details and justification)*

In total 7 requirements after the ethic review were provided for the project. 3 of them are going to be implemented after the signature of the project. The relevant deliverables have been added.

There were 4 pre-grant requirements concerning:

- Detailed information on the informed consent procedure, collection, storage, protection, retention and destruction of data;
- Incidental findings policy
- Details on the specific techniques mentioned in technical annex,
- Detailed information on recruitment and informed consent.

The Project has prepared the extensive Code of Ethics and Ethics Advisor (as the part of DoA), where all above mentioned requirements were described in details.

**Does the action involve the use of human embryos and human embryonic stem cells? (No)**

*(If yes, please provide details and justification)*

**Have any security issues been flagged? (Yes)**

*(If yes please provide details and justification)*

The security scrutiny was conducted and presented recommendation for setting up the Security Advisory Board (SAB), which will assess the sensitivity of selected deliverables before its publication. The project in the section 6.3.2 of part B of DoA confirmed the creation of SAB, which will be led by the Project Security Officer (already nominated at the proposal stage).

**Other significant changes (No)**

*(If yes please provide details and justification)*

**ABSTRACT:**

iCROSS envisages to enable faster thorough border control for third country nationals crossing the borders of EU, with technologies that adopt the future development of the Schengen Border Management. The project will present an optimal mixture of an enhanced, voluntary form of a Registered Traveller Programme and an auxiliary solution for the Entry/Exit System based on involving bona fide travellers. iCROSS designs and implements a system that adopts mobility concepts and consists of a two-stage procedure, designed to reduce cost/time spent per traveller at the crossing station. It leverages software and hardware technologies ranging from portable readers/scanners, various emerging and novel subsystems for automatic controls, wireless networking for mobile controls, and secure backend storage and processing. The two-stage procedure includes: (A) the registration before the travel to gather initial personal, travel document and vehicle data, perform a short, automated, non-invasive interview with an avatar, subject to lie detection and link the traveller to any pre-existing authority data. Utilizing multifactor analytics and risk-based approach, the data registered is processed and correlated with publicly open data or external systems such as the SIS II. Processing will need the travellers consent as set in EU legislation and national law. (B) the actual control at the border that complements pre-registered information with results of security controls that are performed with a portable, wireless connected iCROSS unit that can be used inside buses/trains or any point. Multiple technologies check validity and authenticity of parameters (e.g. travel documents, visa, face recognition of traveller using passport picture, real-time automated non-invasive

lie detection in interview by officer, etc.). The data collected are encrypted, securely transferred and analysed in real time, providing an automated decision support system for the border control officers.

No	Legal Name	Ctry	Funding rate	Role	AFTER GAP			CHANGES (AFTER GAP -BEFORE GAP)	
					Action Total Costs	Max Grant Amount	Funding share	Total Costs change	Max Grant Amount change
1	EUROPEAN DYNAMICS LUXEMBOURG SA	LU	100.00%	CO		863,000.00	19.15%	0.00	0.00
2	INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS	EL	100.00%	BEN		600,000.00	13.33%	0.00	0.00
3	STREMBLE VENTURES LTD	CY	100.00%	BEN		345,000.00	7.66%	0.00	0.00
4	THE MANCHESTER METROPOLITAN UNIVERSITY	UK	100.00%	BEN		387,987.50	8.62%	0.00	0.00
5	ITTI SP ZOO	PL	100.00%	BEN		276,750.00	6.15%	0.00	0.00
6	EVERIS AEROESPACIAL Y DEFENSA SL	ES	100.00%	BEN		437,000.00	9.71%	0.00	0.00
7	BIOSEC GROUP KORLATOLT FELELOSSEGU TARSASAG	HU	100.00%	BEN		226,250.00	5.03%	0.00	0.00
8	JAS TECHNOLOGIE SP ZOO	PL	100.00%	BEN		512,250.00	11.38%	0.00	0.00
9	GOTTFRIED WILHELM LEIBNIZ UNIVERSITAET HANNOVER	DE	100.00%	BEN		346,640.00	7.70%	0.00	0.00
10	ORSZAGOS RENDOR - FOKAPITANYSAG	HU	100.00%	BEN		146,250.00	3.25%	0.00	0.00
11	KOMENDA GLOWNA STRAZY GRANICZNEJ	PL	100.00%	BEN		96,750.00	2.15%	0.00	0.00
12	TRAI NOSE METAFORES-METAFORIKES YPIRESIES EPIVATON KAI FORTIOU AE	EL	100.00%	BEN		165,000.00	3.67%	0.00	0.00
13	LATVIAN STATE BORDER GUARD	LV	100.00%	BEN		99,000.00	2.20%	0.00	0.00
	TOTAL					4,501,877.50		0.00	0.00

#### ROLE

CO Coordinator  
 BEN Beneficiary  
 TP Third Party

(\*) Please note that the budget of third parties is included in the budget of the beneficiaries. Budget changes are shown at the beneficiary level.