



Worldwide Intercluster Initiative for New  
Materials and Processes focused on Clean  
Technologies  
**Grant agreement number: SI2.613741**

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DELIVERABLE REPORT

**<D2.1.1a – Japan mission objectives >**

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### Approvals

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## Table of Contents

<b>A. Introduction.....</b>	<b>3</b>
<b>B. Background of the mission.....</b>	<b>4</b>
<b>C. Outline of the mission .....</b>	<b>6</b>
<b>D. Objectives of the mission.....</b>	<b>7</b>
<b>E. References .....</b>	<b>8</b>

## A. Introduction

This document presents main objectives of the mission that will be organized in Japan within the WIINTECH project in connection with the EU-Japan matchmaking event.

This event will take place from November 12 to 15 in Tokyo and will enable to WIINTECH to investigate the most promising partnerships to be continued within the project and in accordance with the project objectives.

This mission will involve a limited number of WIINTECH partners, e.g.:

- Plastipolis
- Veneto Nanotech

The main purpose of the mission is to contribute to the WIINTECH joint strategy in Japan and prepare a complementary mission with the complete panel of partners in 2013.



## B. Background of the mission

An extensive analysis has been carried out with the Wiintech partners to select the most promising countries according to the objectives of the project and to build a joint international roadmap. This task has been undertaken with the support of Foundation Sophia Antipolis and Ubifrance.

Two specific workshops have been organised (references [1] and [2]) that led to the selection of four targeted countries and the establishment of a general international roadmap (reference [3]).

Japan has been selected as part of the Wiintech priority countries:

Key Figures - Japan	
GDP (in bn USD)	5 860
GDP per capita (USD)	45 800
Estimated growth rate (2012)	2.2%
Inflation	0.3%
Unemployment rate	4.5%

Source : IMF. OECD. Cabinet office

This selection has been continued with the definition of a specific action plan with the following baseline:

What	Who	How	When	Where
Contact with Japan clusters to confirm participation and interest.	Lead EU cluster - (Veneto Nanotech)	Direct contact	By end September 2012	From Italy.
Smart building sector partner required.  Ongoing contact with Japan clusters	Lead cluster to try to determine.  Wiintech partners, trade agencies.	Through matchmaking event in November attended by lead partner.	November 2012	EU Japan Centre, Japan
Identify key centres	All clusters share data	Scoring system	Ongoing	Nagano techno Foundation, Japan Plastics Industry Federation (JPIF) and Kyushu Recycle & Environmental Industry Plaza Institute.
Timing of Visit and specific event where appropriate.	Lead EU Cluster	A scoping visit to include attendance at	November 2012	Japan

What	Who	How	When	Where
		matchmaking event run by EU Japan Centre.  Further visit in 2013 to be explored.		
Gathering EU cluster feedback and technology/market interests	All clusters to provide to Proplast	Through Proplast leading Wiintech communication strategy.	Through Q3 2012.	
Dialogue with major Japanese market players through European events.	All partners	Through workshops, seminars, conferences etc.		To be identified.

The different analyses and conclusions have been very much supported by the strategic report provided by Ubifrance and highlighting the major opportunities in Japan including:

- Technologies:
  - Fibers
  - Bio plastics & Biobased materials
  - Nano materials
- Markets:
  - Renewable energy
  - Green building and transportation

## C. Outline of the mission

The mission will take place at the occasion of the [Green Innovation expo 2012](#) co-organised by the [Japan Management Association](#) and [The Society of Chemical Engineers, Japan](#).



Tokyo Big Sight  
Tokyo International Exhibition Center, Japan  
West exhibition Hall

Visitor and Business Center  
Tel.: +81-3-3599-1292

<http://www.jma.or.jp/green/en/index.html>

<http://www.bigsight.jp/english/general/guide/index.html>

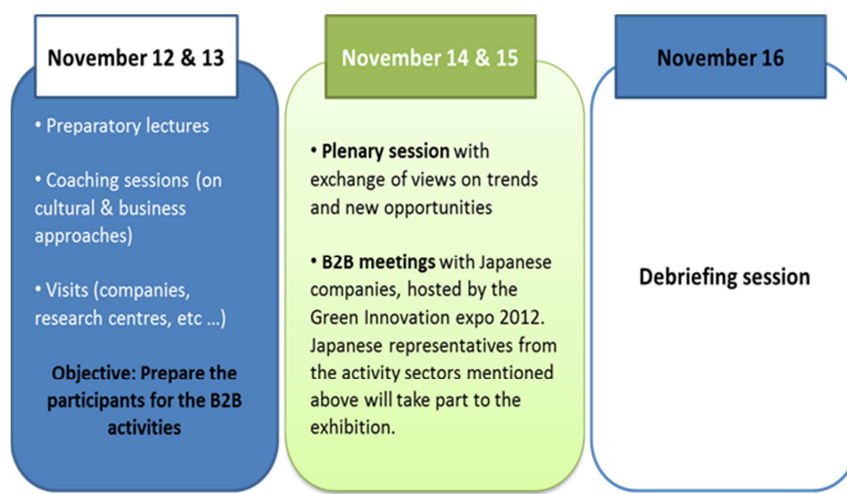
The organisation and the program have been designed by the EU-Japan centre for industrial cooperation as well as with Foundation Sophia Antipolis.



This mission will allow a European delegation composed of about 15 representatives from cluster organisations and SME members to initiate cooperation agreements and concretise partnerships in the field of **green materials**, covering in particular the following segments:

- **Materials & components promoting energy saving** (eg. Urethane materials, Display components, Nanotechnology-related materials, Organic EL materials, Coating materials)
- **Materials & components promoting reduction of environmental burdens** (eg. Ceramic materials, Intelligent materials, Liquid crystal materials, Photocatalysis-related materials, Synthetic rubbers, critical raw materials' substitute, Rare earth substitute materials, Biomimetics-related materials, Nanotechnology-related materials, Inorganic materials, Membrane-related materials, Surface active agents)
- **Materials & components promoting weight reduction** (eg. High polymer materials, Chemical fibers, Film materials, Carbon materials, Organic materials, Inorganic materials, Molded plastic products, Unwoven cloths, Sheet materials, Nanotechnology-related materials)
- **Materials & components for energy generation & storage** (eg. Conductive materials, Semiconductor devices, Nanotechnology-related materials, Organic materials, Battery-related materials)
- **Materials & components promoting longer life** (eg. Metallic materials and minerals, Heat-resistant materials, High-function resins, Nanotechnology-related materials)
- **Technologies supporting the development of new applications for materials and components** (e.g. test equipment, recycling technologies, sensor technologies and analysers).

The mission will be structured in **3 parts including:**



## D. Objectives of the mission

The main purpose of the mission is to contribute to the WIINTECH joint strategy in Japan and prepare a complementary mission with the complete panel of partners in 2013.

The target of the mission for WIINTECH project will consider material and production technologies with a specific focus on micro and nano technologies and address the specific items:

- Materials & components promoting energy saving
- Materials & components promoting reduction of environmental burdens
- Materials & components promoting weight reduction (
- Materials & components for energy generation & storage
- Materials & components promoting longer life
- Technologies supporting the development of new applications for materials and components (e.g. test equipment, recycling technologies, sensor technologies and analysers, and also handling systems for micro production and micro-technologies).

Several promising partners have been already identified such as:

- National Institute for Materials Science (NIMS) in Tsukuba



- Nagano Techno Foundation



- Kyushu Recycle and Environmental Industry Plaza



The different plenary sessions and plenary meetings will enable to review the relevance and the openness of the potential partners to develop a joint cooperation with the Wiintech consortium.

According to the findings and conclusions of the mission that will be reported by Plastipolis and Veneto Nanotech, a second study trip will be considered in 2013 to foster the different contacts and conclude the appropriate agreements.

## **E. References**

- [1] Workshop 1 Minutes – Report Wiintech (D1.2A)
- [2] Workshop 2 Minutes – Report Wiintech (D1.4A)
- [3] WIINTECH international Common Strategy (Report 1.4B)
- [4] Ubifrance strategic analysis of Japan for WIINTECH