

Thematic segment	Type of training:
Green and sustainable chemistry	Basic module
Submitted by :	Name of the training provider (if identified)
GreenWin	Coordinator and partners of the SCOT project
Title of the training modules	
Challenges and Opportunities on the transformation of Carbon Dioxide into high value-added products	
Shortcomings identified at company level	
<ul style="list-style-type: none"> Lack of responsiveness of SME and local industries facing this new opportunity presented by the recycling of CO₂ from our industrial activity The opportunity consists also in the use of an alternative source of carbon to decrease the dependence on fossil sources and to biomass that can find more decent usages => C sourcing and cost control 	
General objectives of the training module	
<ul style="list-style-type: none"> Providing awareness of the results of the research undertaken by the Smart CO₂ Transformation project www.scotproject.com - Carbon dioxide utilisation is a broad term that covers a variety of innovative industrial processes, which use CO₂. Increase the awareness of the industrial implementation of carbon dioxide utilisation 	
Individual competences and specific learning outcomes	
<ul style="list-style-type: none"> Better understanding of the CO₂ recycling value chain, business risk linked to CO₂ sourcing from fossil & biomass ==> advantage of sourcing CO₂, technological sectors and key players Identifying strengths and weaknesses Being able to gauge the business interest for carbon dioxide utilisation projects within Europe 	
Business case or opportunity for businesses	
<ul style="list-style-type: none"> Build partnerships at national, regional or international level Identify opportunities for co-creation of research or business proposals Identify opportunities for collaboration 	
Training content	
<p>Morning :</p> <ul style="list-style-type: none"> Vision and prospects for 2050: presentation of the current CO₂ utilisation value chain (Europe, International) Frost and Sullivan presentation on market analysis for CO₂ utilisation Success stories and key success factors analysis Strategic European Research and Innovation Agenda (SERIA): technological actors and institutional levers, market perspectives in Europe with a focus on the SCOT regions <p>Afternoon:</p> <ul style="list-style-type: none"> Parallel session on presentation of the Joint Action Plan and next steps to accelerate CO₂ utilisation within Europe. Discussion of an Innovation and validation centre, and potential CO₂ utilisation association to continue to promote the sector. Parallel session on the market potential of CCU products 	
Concerned sectors	
<ul style="list-style-type: none"> All sectors emitters of CO₂; chemistry, energy 	
Targeted audience	
<ul style="list-style-type: none"> Political and industrial decision-makers, industrial investors, able to bear / develop new projects 30 participants 	
Duration of the training	
<ul style="list-style-type: none"> 1 day – Wednesday the 13th of April identified as a potential date. 	
Demonstration of the innovative nature	
<ul style="list-style-type: none"> Training and capacity building on an emerging sector for which there is no training up to now Opportunity for training to be rotating within 5 countries (Belgium, France, UK, NL, Germany) 	

Price

Public eligible to the program GreenSkills (see below)

Entreprises :

- TPE et PME : 50 € per participant (excl. VAT)
- GE : 100 € per participant (excl. VAT)

Teachers, research centers, training centers, students and job seekers: Free.

Public ineligible to the program GreenSkills: 170 € (excl. VAT)

Other associated training module

- To be confirmed by Cefochim: in-depth GreenSkills modules in development (chemical CO₂ capture; hydrogenated generation by electrolysis of water; H₂ CO₂ reactions ("Fischer-Tropsch Catalysis" and methanation = Sabatier process)
- Outside GreenSkills: EU master on CO₂ recycling being defined (will be available by the end 2016)

Public eligible to the program GreenSkills:

- Enterprise Workers (Independent-TPE-SME-GE), headquartered in Wallonia;
- Teachers (Secondary Education Institution and Higher based in Wallonia);
- Researchers (universities and research centers based in Wallonia);
- Research centers / training centers active in Wallonia;
- Students, active in Wallonia (must be primarily a student and have a student status. A worker following courses while working is not considered "student"). Students are urged to register via their school;
- Walloon Job Seekers (registered as "jobseekers". Not to be confused with "benefit recipients").