

<b>ICT - Information and Communications Technologies</b>		<b>Call</b>	<b>Referencia</b>
<b>Challenge 1: Pervasive and trusted network and service infrastructures</b>			
	Objective ICT-2011.1.1 Future Networks	FP7-ICT-2011-8	<b>1</b>
	Objective ICT-2011.1.2 Cloud computing, internet of services and advanced software engineering	FP7-ICT-2011-8	<b>2</b>
	Objective ICT-2011.1.4 Trustworthy ICT	FP7-ICT-2011-8	<b>3</b>
	Objective ICT-2011.1.6 Future internet research and experimentation (FIRE)	FP7-ICT-2011-8	<b>4</b>
<b>Challenge 2: Cognitive Systems and Robotics</b>			
	Objective 2.1: Cognitive Systems and Robotics	FP7-ICT-2011-9	<b>5</b>
<b>Challenge 3: Alternative Paths to Components and Systems</b>			
	Objective ICT-2011.3.1. Very advanced nanoelectronic components: design, engineering, technology and manufacturability	FP7-ICT-2011-8	<b>6</b>
	Objective ICT-2011.3.2. Smart components and smart systems integration	FP7-ICT-2011-8	<b>7</b>
	Objective ICT-2011.3.5 Core and disruptive photonic technologies	FP7-ICT-2011-8	<b>8</b>
<b>Challenge 4: Technologies for Digital Content and Languages</b>			
	Objective ICT-2011-4.3 Digital Preservation	FP7-ICT-2011-9	<b>9</b>
	Objective ICT-2011-4.4 Intelligent Information Management	FP7-ICT-2011-8	<b>10</b>
<b>Challenge 5: ICT for Health, Ageing Well, Inclusion and Governance</b>			
	Objective ICT-2011.5.2 Virtual Physiological Human	FP7-ICT-2011-9	<b>11</b>
<b>Challenge 6: ICT for a low carbon economy</b>			
	Objective ICT-2011.6.1 Smart Energy Grids	FP7-ICT-2011-8	<b>12</b>
	Objective ICT-2011.6.3 ICT for efficient water resources management	FP7-ICT-2011-8	<b>13</b>
	Objective ICT-2011.6.4 ICT for energy-efficient buildings and spaces of public use	FP7-2011-NMP-ENV-ENERGY-ICT-EeB	<b>14</b>
	Objective EEB-ICT-2011.6.5 ICT for energy-positive neighbourhoods	FP7-2012-NMP-ENV-ENERGY-ICT-EeB	<b>15</b>

	Objective ICT-2011.6.7 Cooperative Systems for energy efficient and sustainable mobility	FP7-ICT-2011-8	<b>16</b>
	Objective GC-ICT-2011.6.8 ICT for fully electric vehicles	FP7-2011-ICT-GC	<b>17</b>
		FP7-2012-ICT-GC	<b>18</b>
<b>Challenge 7: ICT for the Enterprise and Manufacturing</b>			
	Objective FoF-ICT-2011.7.1 Smart Factories: Energy-aware, agile manufacturing and customisation	FP7-2012-NMP-ICT-FoF	<b>19</b>
	Objective FoF-ICT-2011.7.2 Manufacturing solutions for new ICT products	FP7-2012-NMP-ICT-FoF	<b>20</b>
	Objective FoF-ICT-2011.7.3 Virtual Factories and enterprises	FP7-2011-NMP-ICT-FoF	<b>21</b>
	Objective FoF-ICT-2011.7.4 Digital factories: Manufacturing design and product lifecycle management	FP7-2011-NMP-ICT-FoF	<b>22</b>
<b>Challenge 8: ICT for Learning and Access to Cultural Resources</b>			
	Objective ICT-2011-8.1 Technology-enhanced learning	FP7-ICT-2011-8	<b>23</b>
	Objective ICT-2011.8.2 ICT for access to cultural resources	FP7-ICT-2011-9	<b>24</b>
<b>ENERGY</b>			
<b>Activity energy.2: Renewable electricity generation</b>			
Area energy.2.1: Photovoltaics	Energy.2012.2.1-2: Demonstration of smart multifunctional PV modules	FP7-ENERGY-2012-2	<b>25</b>
Area energy.2.3: Wind	Energy.2012..2.3-2: Demonstration of innovative designs to reduce fatigue loads and improve reliability of multi-MW turbines	FP7-ENERGY-2012-3	<b>26</b>
Area energy.2.6: Ocean	Energy.2012.2.6-1: Demonstrations of first ocean energy farms	FP7-ENERGY-2012-4	<b>27</b>
<b>Activity energy.3: Renewable fuel production</b>			
Area energy.3.2: second generation fuel biomass	Energy.2012.3.2.3: Precommercial industrial scale demonstration plant on lignocellulosic ethanol	FP7-ENERGY-2012-4	<b>28</b>
<b>Cross-cutting actions between activities energy.5 and energy.6 (activity energy.5&amp;6)</b>			
Area energy.5&6.1: Power generation technologies for integrated zero emission	Energy.2012.5&6.1-1 Pilot plant-scale demonstration of advanced post-combustion CO2 capture processes with a view to integration in fossil fuel power plants	FP7-ENERGY-2012-4	<b>29</b>

solutions	Energy.2012.5&6-2: Pilot plant-scale demonstration and integration of emerging and new combustion technologies	FP7-ENERGY-2012-4	<b>30</b>
<b>Activity energy.8: Energy efficiency and savings</b>			
Area 8.8: Smart cities and communities	Energy.2012.8.8-1: Strategic sustainable planning and screening of city plans	FP7-ENERGY-SMARTCITIES-2012	<b>31</b>
	Energy.2012.8.8-2: Large scale systems for urban area heating and/or cooling supply	FP7-ENERGY-SMARTCITIES-2012	<b>32</b>
<b>KBBE - (FP7 - Cooperation Food, Agriculture and Fisheries, and Biotechnology)</b>			
<b>Activity 2.1: Sustainable production and management of biological resources from land, forest and aquatic</b>			
Area 2.1.1 Enabling research	KBBE.2012.1.1-01 Improving seeds for agriculture and conservation activities	FP7-KBBE-2012-6 – single stage	<b>33</b>
	KBBE.2012.1.1-02: Animal and farm-centric approach to precision livestock farming in Europe	FP7-KBBE-2012-6 – single stage	<b>34</b>
	KBBE.2012.1.1-03: Precision technologies to improve irrigation management and increase water productivity in major water-demanding crops in Europe	FP7-KBBE-2012-6 – single stage	<b>35</b>
Area 2.1.2 Increased sustainability of all production systems (agriculture, forestry, fisheries and aquaculture); plant health and crop protection	KBBE.2012.1.2-01: Development of new or improved logistics for lignocellulosic biomass harvest, storage and transport	FP7-KBBE-2012-6 – single stage	<b>36</b>
	KBBE.2012.1.2-02: Managing semi-natural habitats and on-farm biodiversity to optimise ecological services	FP7-KBBE-2012-6 – single stage	<b>37</b>
	KBBE.2012.1.2-03: Plant growth-promoting bio-effectors (microorganisms and active natural compounds) for alternative plant nutrition strategies in non-leguminous crops	FP7-KBBE-2012-6 – single stage	<b>38</b>
	KBBE.2012.1.2-04: Vineyard agronomic management and optimised production systems for improved grape quality to reinforce competitiveness of the winegrowing sector	FP7-KBBE-2012-6 – single stage	<b>39</b>
	KBBE.2012.1.2-05: Development of seed testing methods for pests and pathogens of plant health concern	FP7-KBBE-2012-6 – single stage	<b>40</b>
	KBBE.2012.1.2-06: Multipurpose trees and non-wood forest products for an innovative forestry in rural areas	FP7-KBBE-2012-6 – single stage	<b>41</b>

	KBBE.2012.1.2-07: Development of management strategies for planted and managed forests to increase mitigation capacity	FP7-KBBE-2012-6 – single stage	<b>42</b>
Area 2.1.3 Optimised animal health, production and welfare across agriculture, fisheries and aquaculture	KBBE.2012.1.3-01: Development and evaluation of scientific methodologies for cost-effective risk-based animal health surveillance	FP7-KBBE-2012-6 – single stage	<b>43</b>
Area 2.1.4 Socio-economic research and support to policies	KBBE.2012.1.4-01: Design of a systems analysis tools framework for the EU bio-based economy strategy	FP7-KBBE-2012-6 – single stage	<b>44</b>
	KBBE.2012.1.4-02: Boosting the translation of FP projects' results into innovative applications in the field of agriculture, forestry, fisheries and aquaculture.	FP7-KBBE-2012-6 – single stage	<b>45</b>
	KBBE.2012.1.4-05: Volatility of agricultural commodity markets	FP7-KBBE-2012-6 – single stage	<b>46</b>
	KBBE.2012.1.4-06: Short chain delivery of food for urban-peri-urban	FP7-KBBE-2012-6 – single stage	<b>47</b>
	KBBE.2012.1.4-07: Agricultural Knowledge and Innovation Systems for an inclusive Europe	FP7-KBBE-2012-6 – single stage	<b>48</b>
	KBBE.2012.1.4-08: Development and application of methodologies and tools, including indicators, for the assessment of environmental impacts of rural development programmes in the EU	FP7-KBBE-2012-6 – single stage	<b>49</b>
	KBBE.2012.1.4-09: International comparisons of product supply chains in the agro-food sectors: determinants of their competitiveness and performance on EU and international markets	FP7-KBBE-2012-6 – single stage	<b>50</b>
<b>Activity 2.2 Fork to farm: Food (including seafood), health and well being</b>			
Area 2.2.1 Consumers	KBBE.2012.2.1-01: Role of health-related symbols and claims in consumer behaviour	FP7-KBBE-2012-6 – single stage	<b>51</b>
Area 2.2.2 Nutrition	KBBE.2012.2.2-01: Beneficial effects of bioactive compounds in humans	FP7-KBBE-2012-6 – single stage	<b>52</b>
	KBBE.2012.2.2-02: Study on the need for food and health research infrastructures	FP7-KBBE-2012-6 – single stage	<b>53</b>
	KBBE.2012.2.2-03: Impact of lifestyle on well-being and diet-related disease	FP7-KBBE-2012-6 – single stage	<b>54</b>
	KBBE.2012.2.3-01: Feed production from food waste	FP7-KBBE-2012-6 – single stage	<b>55</b>

Area 2.2.3 Food processing	KBBE.2012.2.3-02: Exploitation of Framework Programme project results in food processing by small and medium-sized enterprises	FP7-KBBE-2012-6 – single stage	<b>56</b>
	KBBE.2012.2.3-04: Personalised approaches to food production and distribution	FP7-KBBE-2012-6 – single stage	<b>57</b>
Area 2.2.4 Food quality and safety	KBBE.2012.2.4-03: Strengthening cooperation for global food safety research	FP7-KBBE-2012-6 – single stage	<b>58</b>
	KBBE.2012.2.4-04: Towards evidence-based risk management of food allergies	FP7-KBBE-2012-6 – single stage	<b>59</b>
Area 2.2.5 Environmental impacts and total food chain	KBBE.2012.2.5-01: Microbially safe water for human consumption	FP7-KBBE-2012-6 – single stage	<b>60</b>
	KBBE.2012.2.5-02: Optimising food use for social innovation	FP7-KBBE-2012-6 – single stage	<b>61</b>
	KBBE.2012.2.5-03: A comparative analysis of global versus local food supply systems	FP7-KBBE-2012-6 – single stage	<b>62</b>
<b>Activity 2.3 Life sciences, biotechnology and biochemistry for sustainable non-food products and processes</b>			
Area 2.3.1 Novel sources of biomass and bioproducts	KBBE.2012.3.1-01: Improved water stress tolerance of crop plants	FP7-KBBE-2012-6 – single stage	<b>63</b>
	KBBE.2012.3.1-02: Multipurpose crops for industrial bioproducts and biomass	FP7-KBBE-2012-6 – single stage	<b>64</b>
Area 2.3.3 Industrial biotechnology: novel high added-value bio-products and bioprocesses	KBBE.2012.3.3-01: Overcoming hurdles for innovation in industrial biotechnology in Europe	FP7-KBBE-2012-6 – single stage	<b>65</b>
	KBBE.2012.3.3-02: Support to standardisation for bio-based products	FP7-KBBE-2012-6 – single stage	<b>66</b>
	KBBE.2012.3.3-03: Mastering integration and intensification of bioprocesses	FP7-KBBE-2012-6 – single stage	<b>67</b>
Area 2.3.5 Environmental biotechnology	KBBE.2012.3.5-03: Biotechnological waste water treatments and reuse in agronomical systems	FP7-KBBE-2012-6 – single stage	<b>68</b>
<b>ENVIRONMENT (including climate change)- NMP (Nanosciences, nanotechnologies, materials &amp; new production technologies)</b>			
<b>II.5.2 'Energy-efficient Buildings (EeB)' – Public-Private Partnership –Cross-thematic Coordination between NMP,</b>			
	EeB.NMP.2012-1 Interaction and integration between buildings, grids, heating and cooling networks, and energy storage and energy generation systems	FP7-2012-NMP-ENV-ENERGY-ICT-EeB	<b>69</b>

II.5.2.1 'Energy-efficient Buildings (EeB)' - Topics covered by the NMP Theme	EeB.NMP.2012-2 Systemic Approach for retrofitting existing buildings, including envelope upgrading, high performance lighting systems, energy-efficient HVAC systems and renewable energy generation systems	FP7-2012-NMP-ENV-ENERGY-ICT-EeB	<b>70</b>
	EeB.NMP.2012-3 Development and validation of new 'processes and business models' for the next generation of performance based energy-efficient buildings integrating new services	FP7-2012-NMP-ENV-ENERGY-ICT-EeB	<b>71</b>
	EeB.NMP.2012-4 Nanotechnology based approaches to increase the performance of HVAC systems	FP7-2012-NMP-ENV-ENERGY-ICT-EeB	<b>72</b>
	EeB.NMP.2012-5 Novel materials for smart windows conceived as affordable multifunctional systems offering enhanced energy control	FP7-2012-NMP-ENV-ENERGY-ICT-EeB	<b>73</b>
	EeB.NMP.2012-6 Methodologies for Knowledge transfer within the value chain and particularly to SMEs	FP7-2012-NMP-ENV-ENERGY-ICT-EeB	<b>74</b>
<b>TRANSPORT</b>			
<b>CHALLENGE 2. SAFE AND SEAMLESS MOBILITY</b>			
<b>ACTIVITY 7.2.3. ENSURING SUSTAINABLE URBAN MOBILITY</b>			
<b>AREA 7.2.3.1. NEW TRANSPORT AND MOBILITY CONCEPTS</b>	SST.2012.3.1-1. Research actions regarding the accessibility of transport systems	Level 2 - CP-FP - Call: FP7-SST-2012-RTD-1	<b>75</b>
	SST.2012.3.1-2. Innovative design and operation of new or upgraded efficient urban transport interchanges	Level 2 - CP-FP - Call: FP7-SST-2012-RTD-1	<b>76</b>
	SST.2012.3.1-3. Take-up of transport innovation in urban and regional transport	Level 2 - CSA-CA - Call: FP7-SST-2012-RTD-1	<b>77</b>
	SST.2012.3.1-4. Automated urban vehicles	Level 2 - CP-IP - Call: FP7-SST-2012-RTD-1	<b>78</b>
<b>AREA 7.2.3.2. HIGH QUALITY PUBLIC TRANSPORT</b>	SST.2012.3.2-1. Coordinating innovation for efficient bus systems in the urban environment	Level 2 - CSA-CA - Call: FP7-SST-2012-RTD-1	<b>79</b>