

<b>Name SURNAME: Bhim Bahadur Ghaley</b>			
<b>Function:</b>	Project Co-ordinator		
<b>Institution:</b>	University of Copenhagen		<input type="checkbox"/> Funding Agency <input type="checkbox"/> Programme Manager
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<b>Division</b>	Department of Plant and Environmental Sciences, Crop Science section, Højbakkegård Alle 30, 2630 Taastrup, Denmark		
<b>Areas of Expertise:</b>			
<p>Bhim Bahadur Ghaley has a background in molecular plant breeding and agronomy and has extensive experience in field trial planning and execution, agronomy/field crop production, nutrient uptake and utilization and <sup>15</sup>N stable isotope use. Other expertise includes cultivar screening for pest and disease, crop and soil process modelling, soil carbon and nitrogen dynamics, ecosystem service quantification and valuation, ecological stoichiometry, value chain analysis, energy synthesis and multivariate modelling in ArcGIS.</p>			
<b>Short Description of your Institution:</b>			
<p>The University of Copenhagen is the largest research and education institution in Denmark and Scandinavia with 40,866 students and 9,272 employees. The university has 6 faculties and around 100 departments and research centres with annual budget of over €1 billion. UCPH is ranked as best 5 in Europe (Leiden Ranking, 2013). The project work will be carried out at the Department of Plant and Environmental sciences under the Faculty of Science. The faculty has 3,400 employees, 9000 students and over 1000 PhD students. The Department carries out research activities within ecology, environment, agriculture production and their interactions with climate change and sustainable food, fodder and energy production for the future.</p>			
<b>Role in the project:</b>			
<p>Ghaley is the project Co-ordinator and WP6 lead. My tasks consist of analysis of water and nutrient use efficiency in the network of production systems by use of DAISY model and Kaya-Porter Identity. DAISY model will be calibrated and validated with field data to simulate agronomic and environmental performance of production systems in diverse pedo-climatic zones in Europe and North Africa. Kaya-Porter Identity will be used to assess water, nutrient and radiation use efficiency of the production systems</p>			