



*Dans le cadre du projet «Centre d'Excellence Africain» financé par la Banque Mondiale et le Gouvernement du Burkina Faso, l'Institut International d'Ingénierie de l'Eau et de l'Environnement (2iE) lance une campagne de recrutement de doctorant(e)s dans les domaines de l'Eau, l'Environnement et l'Agriculture.*

## PhD THESIS PROJECT 2015

>Ref: Thesis Proposal N°ED/01/2015

<b>Project Title</b>	«Determination of evaporation, transpiration, and stomatal coefficients and yield alterations for three crops under global warming scenarios in Tropical Savannah»		
<b>Keywords</b>	Aquacrop – canopy cover – crop coefficients – crop yields Global warming impacts on crop production.		
<b>General objective</b>	Provide climate resilient tools in crop production - Determination of new evaporation, transpiration and stomatal coefficient for crops grown in Tropical savannah in view of Aquacrop simulations - Build a logistic set for Aquacrop model performing for African Tropical Savannah widely grown crops - Provide an objective basis for crop production planning under climate change perspective		
<b>Expected outcomes</b>	<b>results</b>	<b>and</b>	- The above new coefficients are determined - The experimental logistic and methodology are obtained for climate change impact on crop yields - At least one scientific paper is published
<b>Host Laboratory</b>	Laboratory for Hydrology and Water Resources (LEAH), 2iE		
<b>Supervision</b>	Prof. Hama YACOUBA, 2iE Dr. Amadou KEITA, 2iE		
<b>Starting date</b>	April 27 <sup>th</sup> , 2015		
<b>Candidate profile</b>	<ul style="list-style-type: none"><li>▪ Good knowledge in statistics, English, hydraulics, irrigation, drainage, soil physics</li><li>▪ Areas where knowledge will be an advantage: agronomy, use of Aquacrop software</li></ul>		



**To Apply**

- Motivation letter
- Curriculum vitae
- Photocopies of Master degree or equivalent
- Photocopies of transcript from Master degree or equivalent

Applicants are requested to mention the reference of the PhD Project and the topic: **Completed document should be sent latest by April 15<sup>th</sup>, 2015** at :

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