Enclosure 5: Qualifications and scientific environment

PROJECT TEAM AND ORGANIZATION

The project will be carried out at Section of Environmental Engineering at Aalborg University (AAU) in collaboration with scientists and engineers at Faculty of Agricultural Sciences at Aarhus University (AU) and Rambøll Denmark A/S. I will be employed part time in Rambøll during the radon research project, for which reason I apply for PostDoc funding corresponding to 6 months/year. The purpose of this is to stay in touch with the private sector and keep an applied focus in my research. The research group will comprise of the following members:

Scientific personnel funded by this application:	Support personnel ***not*** funded by this application:
Andreas Houlberg Kristensen, PostDoc (applicant and project leader): 18 months Per Møldrup, professor (AAU): 3 months	Lis Wollesen de Jonge, professor (AU) Mads G. Møller, chief consultant (Rambøll Denmark) Jan O. Andersson, project manager (Rambøll Sweden)

As a PostDoc I will be responsible for all scientific and experimental activities. Per Møldrup will perform supervision and quality control throughout the project. Lis Wollesen de Jonge will assist with planning of column experiments (WP 2 in the project description) and Mads G. Møller and Jan O. Andersson will be involved in arranging the field experiment (WP 3 in the project description). In addition, laboratory technician Helle Blendstrup (AAU) and field technician Kim Olsen (Rambøll) will provide experimental assistance in the laboratory and field, respectively.

QUALIFICANTIONS

Aalborg and Århus University. The AU-AAU research group has pioneered research within vapor transport and sorption in soil, and has a well-documented record of cooperation in the soil research field at the highest international level with focus on process understanding, Ph.D. and PostDoc education, and several hundreds of international (peer reviewed) publications. The latest larger research project in the group is the FTP Framework project: Soil Infrastructure, Interfaces, and Translocation Processes in Inner Space (Soil-it-is) (www.agrsci.dk/soil-it-is/), which is led by Lis Wollesen de Jonge (AU).

Rambøll. Rambøll will be particularly involved in the field-based parts of the project since they have great technical experience and access to field sites. The company is the largest engineering consultant in Scandinavia and their expertise covers investigation and risk assessment of pollutant transport in soil, vapor intrusion to buildings, and indoor air quality. Rambøll Denmark has recently established an internal focus group on risk assessments and radon intrusion where I am the project manager. Moreover, Rambøll offices in Sweden, Norway and Finland have years of experience in

dealing with radon risk evaluation and prevention. This knowhow is believed to become a key asset and the project will likely include several field trips and meetings with Scandinavian partners to take advantage of the knowledge available across Rambøll Scandinavia.

Applicant. As an Industrial Ph.D. student with AAU and Rambøll I have been affiliated to the Soil-it-is collaboration. My work and publications have been focusing on measurement and modeling of vapor transport and transformation processes in polluted sites and geostatistical analysis of soil properties (see Enclosure 2). The scientific experience and knowledge on field measurements obtained through my Ph.D. will become extremely relevant in this research project on radon migration. Lastly, I have built up a strong network within Rambøll Scandinavia and various universities that will ensure access to the most recent knowledge and technology during the project.