**Flinders University of South Australia**

**Citation for the Award of Doctor of Science *honoris causa***

**Emeritus Professor Ghislain de Marsily**

Professor Ghislain de Marsily is an internationally renowned scientist famed for his contributions to groundwater hydrology and water management. Professor de Marsily is currently Professor Emeritus at both the University Pierre et Marie Curie (Paris VI) and Paris École des Mines, France.

Graduating from the École des Mines as an engineer in 1963, de Marsily went on to complete a doctoral degree in science at Paris VI in 1978. He proceeded to build a long and distinguished career in hydrology characterised by energy, innovation and technical mastery.

As a scientist Professor de Marsily has researched a wide range of areas, including basin analysis, fluid mechanics, solute transport, waste disposal, river ecology, surface hydrology as well as hydrogeology, water resources management and global food production. He is a pioneer in the development of stochastic hydrogeology and inverse methods and originator of the ‘hydrogeological national parks’ concept to protect the world’s dwindling supplies of groundwater. He has collaborated extensively to study groundwater systems throughout the world and has been influential in exploring the hydrology of North Africa together with his African colleagues.

Recognising his outstanding contributions to hydrogeology, including his legendary lectures and numerous books on hydrogeology, fluid transport and geostatistics, de Marsily has received many awards, including the OE Meinzer Award of the Geological Society of America, Robert E. Horton Medal of the American Geophysical Union and President’s Award of the International Association of Hydrogeologists. In addition to these honours de Marsily is Chevalier de la Légion d’Honneur; Member, French Academy of Sciences and Member, French Academy of Technologies.

Professor de Marsily is an energetic, inspirational and provocative scientist, a visionary thinker and a world leader in groundwater research. He has inspired, mentored and taught generations of researchers and students. He has made a remarkable impact on all aspects of hydrogeology research, education, policy and management. Emphasising the vital relevance of science to society, he has both made, and inspired, important contributions to some of the most critical environmental debates of our time, including critical planetary-scale insights into water, climate change, food and population growth.

Professor de Marsily served Flinders University as a member of the International Scientific Advisory Committee of the National Centre for Groundwater Research and Training.

The award of the degree of Doctor of Science *honoris causa* recognises his scientific achievements and significant contributions to hydrogeology.