



Dr Coetzee is lid van die Departement Geografie, Geoinformatika en Meteorologie en Direkteur van die Sentrum vir Geoinformatikawetenskappe. Sy het in 2006 by die Universiteit se Departement Rekenaarwetenskap aangesluit, waar sy 'n PhD verwerf het met 'n studie van 'data grids', ruimtelike data-infrastrukture (SDI's) en adresdata. Haar navorsingsbelangstellings is geografiese webdienste, geografiese inligtingstandaarde, adresdata, geografiese databasisse en geografiese data-infrastrukture.

Sy neem aktief deel aan die ontwikkeling van geografiese inligtingstandaarde deur die Internasionale Organisasie vir Standaardisering (ISO) se ISO/TC 211-komitee (Geografiese Inligting/Geomatika), waar sy die projek oor adressering lei en as Voorsitter van die ISO/TC 211-groep belas met programinstandhouding (PMG) optree. Sy lei ook die SANS 1883-projek vir die ontwikkeling van 'n Suid-Afrikaanse adresstandaard.

Dr Coetzee het haar loopbaan begin as programtuuringenieur en is later aangestel as 'n Direkteur van AfriGIS waar sy aan die hoof gestaan het van geografiese inligtingstelselprojekte oor die insameling, verwerking en instandhouding van ruimtelike data, omskakeling tussen adresse en koördinate, ruimtelike analise en Internetkartering. Sy is as professionele GISc-egnoloog by die Suid-Afrikaanse Raad vir Professionele en Tegnieuse Opmeters (PLATO) geregistreer.

Een van haar belangrike onlangse publikasies is "Results from a normative dependency analysis of geographic information standards" in *Computer Standards and Interfaces*.

Sy lewer gereelde bydraes tot verskeie internasionale kommissies, soos die Commission on Geoinformation Infrastructures and Standards van die Internasionale Kartografiese Genootskap (ICA) en WG IV/5 van die Internasionale Vereniging vir Fotogrammetrie en Afstandswaarneming (ISPRS), om maar slegs twee te noem. Sy is ook lid van die Geoinformatikavereniging van Suid-Afrika (GISSA), die Instituut van Elektriese en Elektroniese Ingenieurs (IEEE) en die Genootskap vir Rekenaarmasjiene (ACM). Sy het 'n C3-gradering van die NNS ontvang.

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Dr Coetzee is a member of the Department of Geography, Geoinformatics and Meteorology and Director of the Centre for Geoinformation Science. She joined the Department of Computer Science at the University of Pretoria in 2006, where she completed a PhD on data grids, spatial data infrastructures (SDIs) and address data. Her research interests are geospatial web services, geographic information standards, address data, geospatial databases and geospatial data infrastructures.

She actively participates in international geographic information standardisation efforts by the International Organisation for Standardisation (ISO) committee, ISO/TC 211 (Geographic Information/Geomatics), where she leads the addressing project, and chairs the ISO/TC 211 Programme Maintenance Group (PMG). She also leads the SANS 1883 project for the development of a South African address standard.

Dr Coetzee started her career as a software engineer and proceeded to AfriGIS as a Director where she led geographic information system (GIS) projects on spatial data capturing, manipulation and maintenance, geocoding, spatial analysis and Internet mapping. She is a registered professional GISc Technologist at the South African Council for Professional and Technical Surveyors (PLATO).

Among her recent important publications is 'Results from a normative dependency analysis of geographic information standards', which was published in *Computer Standards and Interfaces*.

She contributes to various international commissions, such as the Commission on Geoinformation Infrastructures and Standards of the International Cartographic Association (ICA), and WG IV/5 of the International Society for Photogrammetry and Remote Sensing (ISPRS), to name but two. She is also a member of the Geo-Information Society of South Africa (GISSA), the Institute of Electrical and Electronics Engineers (IEEE) and the Association for Computing Machinery (ACM). She received a C3-rating from the NRF.

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Dr Coetzee ke leloko la Kgoro ya Thutafase, Tšeoinfomathiki le Thutaboso e bile ke Molaodi wa Senthara ya Thutamahlale a Tšeoinfomathiki. O fihlile Kgorong ya Thutamahlale a Khomphutha University of Pretoria ka 2006 moo a feditšego lengwalo la PhD ka ga data ya dibopego, dihlongwa tša sebopego tša data (SDIs) le *data* ya tšhupetšo. Dikgahlego tša gagwe tša dinyakišišo ke ditirelo tša mararankodi a sebopegofase, maemo a tshedimošo ya lefelo, data ya tšhupetšo, didatapeisi tša sebopego le didata tša ditirelo tša mararankodi a sebopego.

O tšea karolo ka mafolofolo ka maikemišetšong a tekanyetšo ya boditšhabatšhaba a tshedimošo ya mafelo a komiting ya *International Organisation for Standardisation* (ISO), go ISO/TC 211 (*Geographic Information/Geomatics*), moo a etilego pele protšeke ya taolo, gomme ke modulasetulo wa ISO/TC 211 Programme Maintenance Group (PMG). O etile pele gape le SANS 1883 sehlopha sa Afrika-Borwa sa go šogana le tekanyetšo ya tshedimošo ya mafelo.

Dr Coetzee o thomile mošomo wa gagwe e le raentšenera wa mananeo a khomphutha gomme a fetela pele go AfriGIS bjalo ka molaodi mo a ilego a etapele protšeke ya *geographic information system* (GIS) ka ga seemo le bogolo bja tshwaro ya *data*, phetošophetošo le tšhokomelo, tshwaofatšofase, tšhekatsheko ya seemo le bogolo le ditaetšo tša mmepe ka inthanete. Ke Ratheknolotši wa profešenale wa GISc yo a ingwadišitšego le South African Council for Professional and Technical Surveyors (PLATO).

Gareng ga diphatlatatšo tša gagwe tša bjale ke "Results from a normative dependency analysis of geographic information standards", yeo e phatlatadišwego ka go *Computer Standards and Interface*.

O tsenya letsogo dikomišeneng tša boditšhabatšhaba bjalo ka *Commission on Geoinformation Infrastructures and Standards of the International Cartographic Association* (ICA), le WG IV/5 ya *International Society for Photogrammetry and Remote Sensing* (GISSA), le *Institute of Electrical and Electronic Engineers* (IEEE) le *Association for Computing Machinery* (ACM).