

# Fonti WEB per le Scienze Geodetiche - Geodesy Sources -

a cura di Michele T. Mazzucato

*La geodesia è una delle più antiche scienze del sapere umano che si occupa della determinazione della forma e delle dimensioni del nostro pianeta. In questa sezione, ordinati alfabeticamente nei vari paragrafi, si trovano i principali siti di organismi scientifici, sia internazionali sia nazionali, nonché di altri interessanti collegamenti, afferenti le scienze geodetiche. Il materiale è sicuramente molto utile a studenti universitari, addetti ai lavori, appassionati ma anche a semplici curiosi.... per i quali le porte della conoscenza sono sempre aperte.*

## CENTRI INTERNAZIONALI

**IAG** International Association of Geodesy

[www.iaq-aig.org](http://www.iaq-aig.org)

**BDL** Bureau Des Longitudes

[www.bdl.fr](http://www.bdl.fr)

**BGI** Bureau Gravimétrique International

<http://bgi.omp.obs-mip.fr>

**BIPM** Bureau International des Poids et Mesures (Time Section)

[www.bipm.org](http://www.bipm.org)

**CDS** Centre de Données astronomiques de Strasbourg

<http://cdsweb.u-strasbg.fr/CDS.html>

**CIRS** Centre International de Recherche Scientifique

[www.cirs.info](http://www.cirs.info)

**CODATA** Committee on Data for Science and Technology

[www.codata.org](http://www.codata.org)

**EGU** European Geosciences Union

[www.egu.eu](http://www.egu.eu)

**FIG** Fédération Internationale des Géomètres

[www.fig.net](http://www.fig.net)

**IAGA** International Association of Geomagnetism and Aeronomy

[www.iugg.org/IAGA](http://www.iugg.org/IAGA)

**IAHR** International Association of Hydraulic Engineering and Research

[www.iahr.net/site/index.html](http://www.iahr.net/site/index.html)

**IAHS** International Association of Hydrological Sciences

[www.iahs.info](http://www.iahs.info)

**IAMAS** International Association of Meteorology and Atmospheric Sciences

[www.iamas.org](http://www.iamas.org)

**IAPSO** International Association for the Physical Sciences of the Ocean

<http://iapso.iugg.org>

**IASPEI** International Association of Seismology and Physics of the Earth's Interior

[www.iaspei.org](http://www.iaspei.org)

**IAU** International Astronomical Union

[www.iau.org](http://www.iau.org)

**IAVCEI** International Association of Volcanology and Chemistry of the Earth's Interior  
[www.iavcei.org](http://www.iavcei.org)

**ICA** International Cartographic Association  
[www.icaci.org](http://www.icaci.org)

**ICET** International Center for Earth Tides  
[www.upf.pf/ICET/home.html](http://www.upf.pf/ICET/home.html)

**ICGEM** International Centre for Global Earth Models  
<http://icgem.gfz-potsdam.de/ICGEM/ICGEM.html>

**ICSU** International Council for Science  
[www.icsu.org](http://www.icsu.org)

**IDS** International DORIS Service (Doppler Orbitography and Radiopositioning Integrated by Satellite)  
<http://ids.cls.fr>

**IERS** International Earth Rotation and Reference Systems Service  
[www.iers.org](http://www.iers.org)

**IGeS** International Geoid Service  
[www.iges.polimi.it](http://www.iges.polimi.it)

**IGS** International GNSS Service (Global Navigation Satellite System)  
<http://igsceb.jpl.nasa.gov>

**IGU** International Geographical Union  
[www.igu-online.org/site](http://www.igu-online.org/site)

**ILP** International Lithosphere Program  
[www.sclilp.org](http://www.sclilp.org)

**ILRS** International Laser Ranging Service  
<http://ilrs.gsfc.nasa.gov>

**ISPRS** International Society for Photogrammetry and Remote Sensing  
[www.isprs.org](http://www.isprs.org)

**IUGG** International Union of Geodesy and Geophysics  
[www.iuqg.org](http://www.iuqg.org)

**IUGS** International Union of Geological Sciences  
[www.iuqs.org](http://www.iuqs.org)

**IVS** International VLBI Service (Very Long Baseline Interferometry)  
<http://ivscc.gsfc.nasa.gov>

**JIVE** Joint Institute for VLBI in Europe  
[www.jive.nl](http://www.jive.nl)

**PSMSL** Permanent Service for Mean Sea Level  
[www.psmsl.org](http://www.psmsl.org)

**WMO** World Meteorological Organization  
[www.wmo.int](http://www.wmo.int)

## CENTRI NAZIONALI

National Mapping Agencies and the World Wide Web (Rob Hootsmans)  
<http://kartoweb.itc.nl/nmo>

**ARGENTINA**  
**IGM** Instituto Geográfico Militar  
[www.igm.gov.ar](http://www.igm.gov.ar)

**AUSTRALIA****GA** Geoscience Australia[www.ga.gov.au](http://www.ga.gov.au)**AUSTRIA****BEV** Bundesamt für Eich- und Vermessungswesen[www.bev.gv.at](http://www.bev.gv.at)**IGG** Institut für Geodäsie und Geophysik [Wien]<http://info.tuwien.ac.at/geodaesie>**BANGLADESH****NSMO** National Surveying & Mapping Organization[www.mod.gov.bd](http://www.mod.gov.bd)**BELGIO****NGI** Nationaal Geografisch Instituut[www.ngi.be](http://www.ngi.be)**ROB** Royal Observatory of Belgium[www.astro.oma.be](http://www.astro.oma.be)**BRASILE****IBGE** Instituto Brasileiro de Geografia e Estatística[www.ibge.gov.br](http://www.ibge.gov.br)**BRUNEI**

Survey Department

[www.survey.gov.bn](http://www.survey.gov.bn)**BURKINA FASO****IGB** Institut Géographique du Burkina[www.igb.bf](http://www.igb.bf)**CANADA****CGU** Canada Geophysical Union[www.cgu-ugc.ca](http://www.cgu-ugc.ca)**NRCAN** Natural Resources CANada - Geodetic Survey Division[www.geod.nrcan.gc.ca/geodesy/index\\_e.php](http://www.geod.nrcan.gc.ca/geodesy/index_e.php)**CILE****IGM** Instituto Geográfico Militar[www.igm.cl](http://www.igm.cl)**COLOMBIA****IGAC** Instituto Geográfico "Agustín Codazzi"[www.igac.gov.co](http://www.igac.gov.co)**DANIMARCA**

GeodataStyrelsen [Copenhagen]

(National Survey and Cadastre of Denmark)

[www.gst.dk](http://www.gst.dk)**ECUADOR****IGM** Instituto Geográfico Militar[www.igm.gob.ec](http://www.igm.gob.ec)**ESTONIA****ELB** Estonian Land Board[www.maaamet.ee](http://www.maaamet.ee)**ETIOPIA****EMA** Ethiopian Mapping Authority[www.ema.gov.et/](http://www.ema.gov.et/)

**FILIPPINE**

**NAMRIA** National Mapping and Resource Information Authority  
[www.namria.gov.ph](http://www.namria.gov.ph)

**FINLANDIA**

**FGI** Finnish Geodetic Institute  
[www.fgi.fi](http://www.fgi.fi)

**HUT** Helsinki University of Technology (Istitute of Geodesy)  
<http://maa.aalto.fi/en/gip/geodesy>

**NLS** National Land Survey  
[www.maanmittauslaitos.fi](http://www.maanmittauslaitos.fi)

**FRANCIA**

**AFT** Association Français de Topographie  
[www.aftopo.org](http://www.aftopo.org)

**GRGS** Groupe Recherches Géodésie Spatiale  
<http://grgs.obs-mip.fr>

**IGN** Institut Géographique National  
[www.ign.fr](http://www.ign.fr)

**LAREG** Laboratoire de REcherche en Géodésie  
[www.ensg.eu/LAREG](http://www.ensg.eu/LAREG)

**GERMANIA**

**AdV** Arbeitsgemeinschaft der Vermessungsverwaltungen (der Länder der Bundesrepublik Deutschland)  
[www.adv-online.de/Startseite](http://www.adv-online.de/Startseite)

**BKG** Federal Agency for Cartography and Geodesy (**B**undesamt für **K**artographie und **G**eodäsie)  
[www.bkg.bund.de/DE/Home/homepage\\_node.html\\_nnn=true](http://www.bkg.bund.de/DE/Home/homepage_node.html_nnn=true)

**DGFI** Deutsches Geodätisches ForschungsInstitut [München]  
<http://dgfi.badw-muenchen.de>

**DGK** Deutsche Geodätische Kommission  
<http://dgk.badw.de>

**DVW** Deutscher Verein für Vermessungswesen e.V.  
[www.dvw.de](http://www.dvw.de)

**FESG** ForschungsEinrichtung SatellitenGeodäsie [München]  
<http://tau.fesg.tu-muenchen.de/~fesg/web/index.php>

**GFZ** GeoForschungsZentrum [Potsdam]  
[www.gfz-potsdam.de](http://www.gfz-potsdam.de)

**GIUB** Geodätisches Institut Universität Bonn  
[www.ikg.uni-bonn.de](http://www.ikg.uni-bonn.de)

**TUD** Technische Universität Darmstadt  
[www.tu-darmstadt.de](http://www.tu-darmstadt.de)

**GIAPPONE**

**GSI** Geographical Survey Institute (Geospatial Information Authority of Japan)  
[www.gsi.go.jp/ENGLISH](http://www.gsi.go.jp/ENGLISH)

**NLS** National Land Survey (Land and Property in Japan)  
<http://tochi.mlit.go.jp/english>

**GUATEMALA**

**IGN** Instituto Geográfico Nacional "Alfredo Obiols Gómez"  
[www.ign.gob.gt](http://www.ign.gob.gt)

**HONG KONG****SMO** Survey & Mapping Office[www.landsd.gov.hk/mapping/welcome.htm](http://www.landsd.gov.hk/mapping/welcome.htm)**INDIA****SOI** Survey Of India[www.surveyofindia.gov.in](http://www.surveyofindia.gov.in)**INDONESIA****BAKOSURTANAL** Badan **KO**ordinasi **SUR**vei dan Peme**TA**an **N**asional  
(National Coordinating Agency for Surveys and Mapping)[www.bakosurtanal.go.id](http://www.bakosurtanal.go.id)**IRAN****NCC** National Cartographic Center[www.ncc.org.ir](http://www.ncc.org.ir)**IRLANDA****OSI** Ordnance Survey Ireland[www.osi.ie](http://www.osi.ie)**IRLANDA DEL NORD****OSNI** Ordnance Survey of Northern Ireland (Land & Propetry Services LPS)[www.osni.gov.uk](http://www.osni.gov.uk)**ISLANDA****NLSI** National Land Survey of Iceland[www.lmi.is](http://www.lmi.is)**ISRAELE**

National Agency for Geodesy, Cadastre, Mapping and Geographic Information

**MAPI** [www.mapi.gov.il](http://www.mapi.gov.il)**ITALIA****ASITA** Associazioni **S**cientifiche **I**nformazioni **T**erritoriali **A**mbientali[www.asita.it](http://www.asita.it)**IGM** Istituto Geografico Militare[www.igmi.org](http://www.igmi.org)**IIM** Istituto Idrografico Marina[www.marina.difesa.it/conosciamoci/comandanti/scientifici/idrografico/Pagine/home.aspx](http://www.marina.difesa.it/conosciamoci/comandanti/scientifici/idrografico/Pagine/home.aspx)**SIFET** Società Italiana di Fotogrammetria **E** Topografia[www.sifet.org](http://www.sifet.org)**KENYA****KISM** Kenya Institute of Surveying and Mapping[www.kenyaplex.com/colleges/64-kenya-institute-of-surveying--mapping.aspx](http://www.kenyaplex.com/colleges/64-kenya-institute-of-surveying--mapping.aspx)**KOREA DEL SUD****NGII** National Geographic Information Institute[www.ngii.go.kr/en/main/main.do?rbsIdx=1](http://www.ngii.go.kr/en/main/main.do?rbsIdx=1)**LIECHTENSTEIN****LLV** Liechtesteinischen Landes Verwaltung[www.llv.li/amtstellen/llv-tba-home](http://www.llv.li/amtstellen/llv-tba-home)**LITUANIA****LGT** Lietuvos Geologijos Tarnyba[www.lgt.lt](http://www.lgt.lt)**LUSSEMBURGO****ACT** Administration du Cadastre et de la Topographie[www.act.etat.lu](http://www.act.etat.lu)

**MACAO**

**DSCC** Macao Cartography and Cadastre Bureau  
[www.gis.gov.mo/geoportal](http://www.gis.gov.mo/geoportal)

**MACEDONIA**

**SAFGW** State Authority For Geodetic Works  
[www.katastar.gov.mk/en/Default.aspx](http://www.katastar.gov.mk/en/Default.aspx)

**MALAYSIA**

**JUPEM** Jabatan Ukur dan Pemetan Malaysia (Department of Survey and Mapping Malaysia)  
[www.jupem.gov.my/index.php](http://www.jupem.gov.my/index.php)

**MALTA**

**MEPA** Malta Environment & Planning Authority  
[www.mepa.org.mt/home?l=1](http://www.mepa.org.mt/home?l=1)

**MESSICO**

**INEGI** Instituto Nacional de Estadística Geografía e Informática  
[www.inegi.gob.mx/inegi/default.asp](http://www.inegi.gob.mx/inegi/default.asp)

**NEPAL**

**SD** Survey Department  
[www.dos.gov.np](http://www.dos.gov.np)

**NICARAGUA**

**INETER** Instituto Nicaragüense de Estudios Territoriales  
[www.ineter.gob.ni](http://www.ineter.gob.ni)

**NORVEGIA**

**FFI** Forsvarets Forskningsinstitutt  
[www.mil.no](http://www.mil.no)

**SK** Statens Kartverk

[www.statkart.no/IPS](http://www.statkart.no/IPS)

**NUOVA ZELANDA**

**LINZ** Land Information New Zealand  
[www.linz.govt.nz](http://www.linz.govt.nz)

**OLANDA**

**DUT** Delft University of Technology - Faculty of Geodetic Engineering  
[www.geo.tudelft.nl](http://www.geo.tudelft.nl)

**PERU**

**IGN** Instituto Geográfico Nacional  
[www.ign.gob.pe](http://www.ign.gob.pe)

**POLONIA**

**GUGIK** Główny Urząd Geodezji i Kartografii  
[www.gugik.gov.pl](http://www.gugik.gov.pl)

**PORTOGALLO**

**IGP** Instituto Geográfico Português  
[www.igeo.pt](http://www.igeo.pt)

**QATAR**

The Centre for GIS - State of Qatar  
[www.gisqatar.org.qa](http://www.gisqatar.org.qa)

**REP. CECA**

**AICAS** Astronomical Institut Czech Academy Sciences  
[www.asu.cas.cz/](http://www.asu.cas.cz/)

**CUZK** Český Úřad Zeměměřický Katastrální

(Czech Office for Surveying, Mapping and Cadastre - COSMOC)  
[www.cuzk.cz](http://www.cuzk.cz)

**ROMANIA****AIRA** Astronomical Institute of the Romanian Academy [Bucarest][www.astro.ro](http://www.astro.ro)**RUSSIA****IAA** Institute Applied Astronomy [St Petersburg][www.ipa.nw.ru](http://www.ipa.nw.ru)MIIGAiK (**МИИГАиК**) (Московского Государственного Университета Геодезии и Картографии)  
(Moscow State University of Geodesy and Cartography)[www.miiqaik.ru/eng](http://www.miiqaik.ru/eng)**SINGAPORE****SLA** Singapore Land Authority[www.sla.gov.sg/htm/hom/index.htm](http://www.sla.gov.sg/htm/hom/index.htm)**SLOVACCHIA****GCC** Úrad Geodézie Kartografie Katastre

(Geodesy Cartography and Cadastre Authority of the Slovak Republic)

[www.geodesy.gov.sk](http://www.geodesy.gov.sk)**SLOVENIA****GRS** Geodetska uprava Republike Slovenije[www.gu.gov.si](http://www.gu.gov.si)**SPAGNA****ICC** Institut Cartogràfic de Catalunya[www.icc.es/homeang.html](http://www.icc.es/homeang.html)**IGN** Instituto Geográfico Nacional[www.ign.es/ign/main/index.do](http://www.ign.es/ign/main/index.do)**SRI LANKA****SDSL** Survey Department Sri Lanka[www.survey.gov.lk](http://www.survey.gov.lk)**SUDAFRICA****NGI** National Geo-Spatial Information[www.ngi.gov.za](http://www.ngi.gov.za)

The HartRAO Space Geodesy Programme (Hartebeesthoek Radio Astronomy Observatory)

<http://geodesy.hartrao.ac.za/site/en>**SVIZZERA****IGP** Institute of Geodesy and Photogrammetry at ETH Zurich[www.igp.ethz.ch](http://www.igp.ethz.ch)**SWISSTOPO SWISS** Federal Office of Topography[www.swisstopo.ch](http://www.swisstopo.ch)**TAILANDIA****RTSD** Royal Thai Survey Department[www.rtsd.mi.th](http://www.rtsd.mi.th)**TURCHIA****HGK** Harita Genel Komutanlığı[www.hgk.msb.gov.tr](http://www.hgk.msb.gov.tr)**UCRAINA**

GIS-portal Geomatica

<http://geosolutions.com.ua>**UK****BCS** British Cartographic Society[www.cartography.org.uk](http://www.cartography.org.uk)

**OS Ordnance Survey**  
[www.ordnancesurvey.co.uk/oswebsite](http://www.ordnancesurvey.co.uk/oswebsite)

**UNGHERIA**  
**FOMI** Földmérési és Távérzékelési Intézet  
[www.fomi.hu/portal/index.php/kezdoldal](http://www.fomi.hu/portal/index.php/kezdoldal)

**GGRI Geodetic and Geophysical Research Institute** [Sopron]  
[www.ggki.hu](http://www.ggki.hu)

**SGO Satellite Geodetic Observatory** [Penc]  
[www.sgo.fomi.hu/index\\_eng.php](http://www.sgo.fomi.hu/index_eng.php)

**URUGUAY**  
**CNDG** Clearing House Nacional de Dato Geográficos  
[www.ica.com.uy/?p=1049](http://www.ica.com.uy/?p=1049)

**USA**  
**AGU American Geophysical Union**  
[www.agu.org](http://www.agu.org)

**ASPRS American Society for Photogrammetry and Remote Sensing**  
[www.asprs.org](http://www.asprs.org)

**JPL Jet Propulsion Laboratory** (Earth Sciences)  
[www.jpl.nasa.gov/earth](http://www.jpl.nasa.gov/earth)

**NAVCEN NAVigation CENTER** US Coast Guard  
[www.navcen.uscg.gov](http://www.navcen.uscg.gov)

**NGA National Geospatial –Intelligence Agency**  
 (ex **National Imagery & Mapping Agency NIMA**) (ex **Defense Mapping Agency DMA**)  
[www1.nga.mil/Pages/default.aspx](http://www1.nga.mil/Pages/default.aspx)

**NGDC NOAA National Geophysical Data Center**  
 (National Oceanic Atmospheric Administration **NOAA**)  
[www.ngdc.noaa.gov](http://www.ngdc.noaa.gov)

**NGS National Geodetic Survey**  
[www.ngs.noaa.gov](http://www.ngs.noaa.gov)

**NOAA National Oceanic & Atmospheric Administration**  
[www.noaa.gov](http://www.noaa.gov)

**NOP Naval Oceanography Portal**  
[www.usno.navy.mil](http://www.usno.navy.mil)

**OSU Ohio State University** (Geodesy Science)  
[www.earthsciences.osu.edu/geodetic\\_science.php](http://www.earthsciences.osu.edu/geodetic_science.php)

**USGS United States Geological Survey**  
[www.usgs.gov](http://www.usgs.gov)

**USNO United States Naval Observatory**  
[www.usno.navy.mil/USNO](http://www.usno.navy.mil/USNO)

**VENEZUELA**  
**MARN** Ministerio del Ambiente y de los Recursos Naturales  
[www.marn.gov.ve](http://www.marn.gov.ve)

## SATELLITI GEODETICI

**APOLLO 11** Laser Ranging Retroreflector Experiment (Sea of Tranquility)  
[www.lpi.usra.edu/lunar/missions/apollo/apollo\\_11/experiments/lrr](http://www.lpi.usra.edu/lunar/missions/apollo/apollo_11/experiments/lrr)

**APOLLO 14** Laser Ranging Retroreflector Experiment (Fra Mauro)  
[www.lpi.usra.edu/lunar/missions/apollo/apollo\\_14/experiments/lrr](http://www.lpi.usra.edu/lunar/missions/apollo/apollo_14/experiments/lrr)



**APOLLO 15** Laser Ranging Retroreflector Experiment (Hadley Rille)  
[www.lpi.usra.edu/lunar/missions/apollo/apollo\\_15/experiments/lrr](http://www.lpi.usra.edu/lunar/missions/apollo/apollo_15/experiments/lrr)

**LUNA 17** Laser Ranging Retroreflector Experiment (Sea of Rains)  
<http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=1970-095A>

**LUNA 21** Laser Ranging Retroreflector Experiment (Sea of Serenity)  
<http://nssdc.gsfc.nasa.gov/database/MasterCatalog?sc=1973-001A>

List Geodetic Satellites  
[http://ilrs.gsfc.nasa.gov/missions/satellite\\_missions/index.html](http://ilrs.gsfc.nasa.gov/missions/satellite_missions/index.html)

Satellite Mission Geodesy  
[www.tbs-satellite.com/tse/online/mis\\_geodesie.html](http://www.tbs-satellite.com/tse/online/mis_geodesie.html)

**CHAMP CHALLENGING Minisatellite Payload**  
[www-app2.gfz-potsdam.de/pb1/op/champ/index\\_CHAMP.html](http://www-app2.gfz-potsdam.de/pb1/op/champ/index_CHAMP.html)

**EGNOS European Geostationary Navigation Overlay Service**  
[www.egnos-pro.esa.int/index.html](http://www.egnos-pro.esa.int/index.html)  
[www.esa.int/esaNA/egnos.html](http://www.esa.int/esaNA/egnos.html)

**ENVISAT ENVIRONMENT SATellite**  
<http://envisat.esa.int/>

**ERS European Remote Sensing Satellite**  
<http://earth.esa.int/ers/>

**GALILEO** European satellite navigation system  
[www.esa.int/esaNA/galileo.html](http://www.esa.int/esaNA/galileo.html)

**GEOSAT GEOdetic Satellite**  
[www.aviso.oceanobs.com/en/missions/past-missions/geosat/index.html](http://www.aviso.oceanobs.com/en/missions/past-missions/geosat/index.html)

**GLONASS GLOBAL NAVIGATION Satellite System (GLOBAL'naya NAVIGatsionnaya Sputnikovaya Sistema)**  
[www.glonass-ianc.rsa.ru](http://www.glonass-ianc.rsa.ru)

**GOCE Gravity Field and Steady State Ocean Circulation Explorer**  
[www.esa.int/esaLP/LPgoce.html](http://www.esa.int/esaLP/LPgoce.html)

**GRACE Gravity Recovery And Climate Experiment**  
<http://www-app2.gfz-potsdam.de/pb1/op/grace>

**ICESAT Ice Cloud and land Elevation SATellite**  
<http://icesat.gsfc.nasa.gov>

**JASON**  
<http://sealevel.jpl.nasa.gov/missions/jason1>

**NAVSTAR GPS NAVIGATION System with Time And Ranging Global Positioning System**  
<http://tycho.usno.navy.mil/gps.html>  
[www.navcen.uscg.gov/gps/default.htm](http://www.navcen.uscg.gov/gps/default.htm)

**SPOT Satellite Pour l'Observation de la Terre**  
[www.cnes.fr/web/CNES-fr/258-spot.php](http://www.cnes.fr/web/CNES-fr/258-spot.php)

**TOPEX/POSEIDON Ocean TOPOgraphy Experiment**  
<http://sealevel.jpl.nasa.gov/missions/topex>

## CARTOGRAFIA

**Latitudini e Longitudini**  
<http://f6fvy.free.fr/qthLocator>

**Maps**  
[www.multimap.com](http://www.multimap.com)

**World Atlas**

[http://go.hrw.com/atlas/norm\\_hm/world.htm](http://go.hrw.com/atlas/norm_hm/world.htm)

**MAPHISTORY** (*Tony Campbell*)

[www.maphistory.info/index.html](http://www.maphistory.info/index.html)

**DOCUMENTAZIONE****Anniversari nelle Scienze Geodetiche** (*Michele T. Mazzucato*)

[www.matematicamente.it/storia/1591-anniversari-nelle-scienze-geodetiche](http://www.matematicamente.it/storia/1591-anniversari-nelle-scienze-geodetiche)

**Appunti delle lezioni - Cap. 1 Geodesia** (*Mauro Caprioli*)

[www.poliba.it/dvt/dispense/caprioli/GEODESIA.pdf](http://www.poliba.it/dvt/dispense/caprioli/GEODESIA.pdf)

**Appunti delle lezioni - Cap. 2 Cartografia** (*Mauro Caprioli*)

[www.poliba.it/dvt/dispense/caprioli/CARTOGRAFIA.pdf](http://www.poliba.it/dvt/dispense/caprioli/CARTOGRAFIA.pdf)

**Appunti per il corso di Cartografia e Cartografia Numerica** (*Maurizio Trevisani*)

[http://sira.arpat.toscana.it/sira/documenti/Dispensa\\_Cartografia.pdf](http://sira.arpat.toscana.it/sira/documenti/Dispensa_Cartografia.pdf)

**Coordinate gaussiane e geografiche: loro trasformazione** (*Michele T. Mazzucato*)

[www.matematicamente.it/astro/1569-coordinate-geografiche-e-gaussiane-loro-trasformazione](http://www.matematicamente.it/astro/1569-coordinate-geografiche-e-gaussiane-loro-trasformazione)

**Coordinate geografiche e cartesiane geocentriche: loro trasformazione** (*Michele T. Mazzucato*)

[www.matematicamente.it/astro/1567-coordinate-geografiche-e-cartesiane-geocentriche](http://www.matematicamente.it/astro/1567-coordinate-geografiche-e-cartesiane-geocentriche)

**Educational Observatory Institute**

[www.edu-observatory.org/eo/eo.html](http://www.edu-observatory.org/eo/eo.html)

**Geodesy and Gravity** (*John Wahr*)

<http://samizdat.mines.edu/geodesy/geodesy.pdf>

**Geodesy for the Layman** (*Richard K. Burkard*)

[www.ngs.noaa.gov/PUBS\\_LIB/Geodesy4Layman/toc.htm](http://www.ngs.noaa.gov/PUBS_LIB/Geodesy4Layman/toc.htm)

**Geodesy Page** (*James Q. Jacobs*)

[www.jqjacobs.net/astro/geodesy.html](http://www.jqjacobs.net/astro/geodesy.html)

**Geodetic Datums** (*Peter H. Dana*)

[www.colorado.edu/geography/gcraft/notes/datum/datum.html](http://www.colorado.edu/geography/gcraft/notes/datum/datum.html)

**La geometria sulla sfera** (*Paolo Lazzarini*)

[http://users.libero.it/prof.lazzarini/geometria\\_sulla\\_sfera/geo.htm](http://users.libero.it/prof.lazzarini/geometria_sulla_sfera/geo.htm)

**La sfera in geometria e geografia** (*Giuseppe De Cecco & Elisabetta Mangino*)

<http://siba-ese.unile.it/index.php/quadmat/article/view/8716/7972>

**Laboratorio di Geomatica**

<http://geomatica.como.polimi.it>

**Lezioni di Topografia** (*Ambrogio M. Manzano*)

[www.topografia.it/cultura/lezioni/default.htm](http://www.topografia.it/cultura/lezioni/default.htm)

**Map Projections** (*Carlos A. Furuti*)

[www.progonos.com/furuti/MapProj/CartIndex/cartIndex.html](http://www.progonos.com/furuti/MapProj/CartIndex/cartIndex.html)

**Navigation on the spheroidal Earth** (*Ed Williams*)

<http://williams.best.vwh.net/ellipsoid/ellipsoid.html>

**On-Line Geodesy Resources** (*Mike Craymer*)

[www3.sympatico.ca/craymer/geodesy](http://www3.sympatico.ca/craymer/geodesy)

**Online Publications NGS**

[www.ngs.noaa.gov/PUBS\\_LIB/pub\\_index.shtml](http://www.ngs.noaa.gov/PUBS_LIB/pub_index.shtml)

**Progetto Rete di Eratostene** (*coordinatore Nicola Scarpel*)

<http://eratostene.vialattea.net>

**Trasformazioni tra sistemi di coordinate: software disponibili, limiti e potenzialità** ( *Davide Travaglini*)

[www.sisef.it/forest@/pdf/Travaglini\\_228.pdf](http://www.sisef.it/forest@/pdf/Travaglini_228.pdf)

**Virtual Museum of Surveying**

[www.surveyhistory.org](http://www.surveyhistory.org)

## IMMAGINI METEO

**Immagini Meteo Satellitari**

<http://it.allmetsat.com/index.html>

## SOFTWARE

**Cconvert** by Planetek

<http://www.planetek.it/media/download/cconvert>

**GeoCalc** (*Glen & Kris Denning*)

<http://home.gci.net/~glen/file/index.html>

**GEOgraphic TRANSlator** by NGA

<http://earth-info.nga.mil/GandG/geotrans/index.html>

**PC Software List** by NGS

[www.ngs.noaa.gov/PC\\_PROD/pc\\_prod.shtml](http://www.ngs.noaa.gov/PC_PROD/pc_prod.shtml)

**Program GeoConv** (*Eino Uikkanen*)

[www.kolumbus.fi/eino.uikkanen/geoconvqb/index.htm](http://www.kolumbus.fi/eino.uikkanen/geoconvqb/index.htm)

## TEMPO ORARIO

**Time Ticker**

[www.timeticker.com](http://www.timeticker.com)

**Heavens Above**

[www.heavens-above.com](http://www.heavens-above.com)

**Time Server**

[www.bipm.fr/en/scientific/tai/time\\_server.html](http://www.bipm.fr/en/scientific/tai/time_server.html)

**Time**

<http://tycho.usno.navy.mil>

## TERRA DALLO SPAZIO

**Earth from Space**

<http://earth.jsc.nasa.gov/sseop/efs>

**Earth Observation Orbits**

<http://orbits.esa.int/orbits/eo/app/orb.htm>

**Earth View**

[www.fourmilab.ch/cgi-bin/uncgi/Earth](http://www.fourmilab.ch/cgi-bin/uncgi/Earth)

**Immagini da satellite**

[www.teraserver.com](http://www.teraserver.com)

## UTILITY ONLINE

### **Coordinate Converter**

[www.oasisphoto.com/navigation/convert\\_form.php](http://www.oasisphoto.com/navigation/convert_form.php)

### **Coordinate Translation** (*Gerald I. Evenden*)

<http://jeeep.com/details/coord>

### **Distanza sul globo** (*Michele T. Mazzucato*)

[www.matematicamente.it/staticfiles/approfondimenti/astronomia/Modulo\\_Distanza\\_Globo.xls](http://www.matematicamente.it/staticfiles/approfondimenti/astronomia/Modulo_Distanza_Globo.xls)

### **Ellissoide** (*Michele T. Mazzucato*)

[www.matematicamente.it/staticfiles/approfondimenti/astronomia/Modulo\\_Ellissoide.xls](http://www.matematicamente.it/staticfiles/approfondimenti/astronomia/Modulo_Ellissoide.xls)

### **Gaussiane** (*Michele T. Mazzucato*)

[www.matematicamente.it/staticfiles/approfondimenti/astronomia/Modulo\\_Gaussiane.xls](http://www.matematicamente.it/staticfiles/approfondimenti/astronomia/Modulo_Gaussiane.xls)

### **Great Circle Calculator** (*Ed Williams*)

<http://williams.best.vwh.net/gccalc.htm>

### **PlaniGlobe**

[www.planiglobe.com](http://www.planiglobe.com)

### **Surface Distance Between Two Points of Latitude and Longitude** (*John A. Byers*)

[www.chemical-ecology.net/java/lat-long.htm](http://www.chemical-ecology.net/java/lat-long.htm)

### **Trasformazioni coordinate** (*Vito Borneo*)

[www.borneo.name/topo/topo.htm](http://www.borneo.name/topo/topo.htm)

### **Transverse Mercator Calculator**

[www.dmap.co.uk/l2tm.htm](http://www.dmap.co.uk/l2tm.htm)