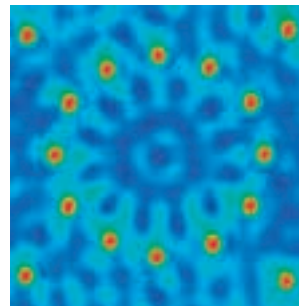
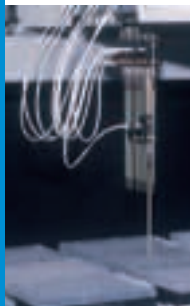
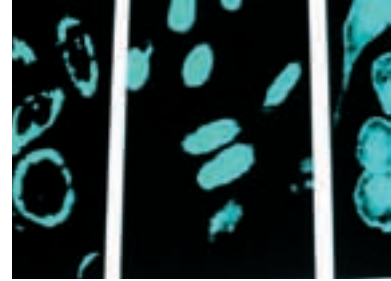


# GLOBAL ETHICS OBSERVATORY



SCIENCE &  
TECHNOLOGY



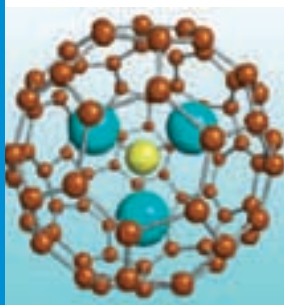
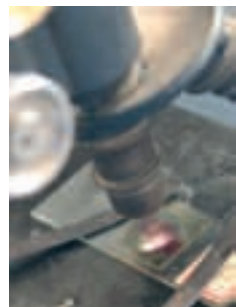
## ETHICS EXPERTS WHO'S WHO?



ETHICS  
INSTITUTIONS



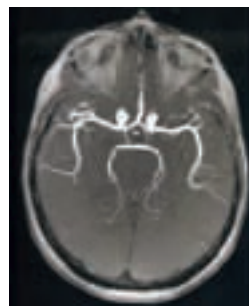
ETHICS  
TEACHING PROGRAMMES



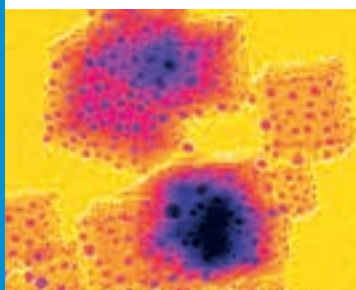
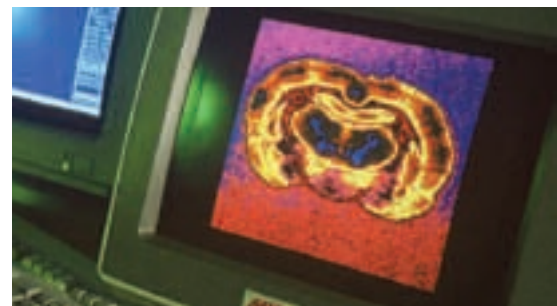
## CODES OF CONDUCT



## ETHICS RELATED LEGISLATION & GUIDELINES



CONTRIBUTIONS  
TO GEObs



## INTERACTIVE GEOGRAPHICAL SEARCH



Design & Production: Julia Cheftel



Photos, courtesy of:

UNESCO/Niamh Burke, Dominique Roger, Serge Daniel

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NASA Center for Nanotechnology

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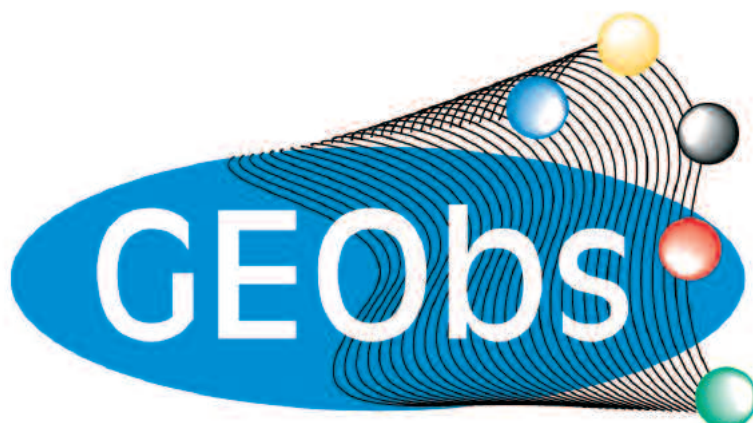
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# GLOBAL ETHICS OBSERVATORY



[www.unesco.org/shs/ethics/geobs](http://www.unesco.org/shs/ethics/geobs)

Division of Ethics of Science and Technology

Sector for Social and Human Sciences

United Nations Educational, Scientific and Cultural Organization (UNESCO)



United Nations  
Educational, Scientific and  
Cultural Organization



# INTRODUCTION

The **Global Ethics Observatory (GEObs)** is a system of databases with worldwide coverage in bioethics and other areas of applied ethics in science and technology such as environmental ethics, science ethics and technology ethics. The observatory maps existing ethics infrastructures around the world, and is designed as a collaborative, consultative and comparative tool for the purposes of:

- Building capacity for ethical decisions and actions in science and technology at the national, regional and global levels by facilitating the creation of linkages among policy-makers, ethicists, researchers, scientists, civil society and the private sector. This is particularly important for countries looking to reinforce their ethics infrastructure, and also for people and institutions looking for partners, especially in developing countries.
- Focusing UNESCO's current and future capacity building activities for ethics of science and technology in areas of need.

- Establishing a comprehensive and reliable baseline for measuring the actualisation of UNESCO's programme in ethics of science and technology, including related UNESCO normative instruments.

The GEObs currently consists of the following databases:

- **Database 1:**  
**Who's Who in Ethics (Ethics Experts)**
- **Database 2:**  
**Ethics Institutions**
- **Database 3:**  
**Ethics Teaching Programmes**
- **Database 4:**  
**Ethics Related Legislation and Guidelines**
- **Database 5:**  
**Codes of Conduct**

These databases collectively provide a valuable resource hub of ethics activities, thus establishing a crucial platform upon which UNESCO can support and advance such activities around the world.

New databases are in planning, and would come online in the future.

In addition to a search function for each database, the system also provides users with an **Interactive Geographical Search** option. These search functions are outlined in more detail in this booklet.

The system is freely accessible online to the general public at:

[www.unesco.org/shs/ethics/geobs](http://www.unesco.org/shs/ethics/geobs)

It was officially launched in December 2005, and has since been continuously expanded and updated by UNESCO.

From the GEObs Home Page (see Figure 1), users are able to access the different databases by clicking on the associated buttons or links. Within the system, the databases are designated as GEObs1, GEObs2, GEObs3, GEObs4 and GEObs5 respectively. A button for the Interactive Geographical Search option is also available on this page.

The GEObs databases are available in the six official languages of UNESCO: Arabic, Chinese, English, French, Russian, and Spanish. Users are able to switch between the languages by using the Language Selection Tool (see Figure 2) located on the top right hand corner of all GEObs screens.



**Figure 1:** GEObs Home Page



**Figure 2:** GEObs Language Selection Tool

# ETHICS EXPERTS WHO'S WHO?

The **Who's Who in Ethics** database is a compilation of information regarding ethics experts around the world. Experts are determined via a peer review process, based on a combination of factors, including the quality and focus of recent publications in ethics of science and technology; involvement in ethics-related activities; involvement in ethics

of science and technology research projects; and the level and extent of ethics component in the individual's educational and professional background. This database seeks to efficiently connect specific needs and requests to the appropriate experts, as well as to encourage collaboration among experts at the local, regional and international levels.

## SEARCH TOOL

With the GEObs1 Search Tool (see Figure 3), users are able to search for experts within the database using one or more of the following criteria:

- Name  
(text search by First name or Surname)
- Country  
(UNESCO member and observer states)
- Region (UNESCO regions)
- Professional background  
(e.g. Medicine, Nursing, etc.)
- Activities in Ethics  
(e.g. Teaching, Research, etc.)
- Affiliated Institutions  
(e.g. NGO, University, etc.)
- Areas of Interest in Applied Ethics  
(e.g. Medical Ethics, Nursing Ethics, etc.)
- Expertise in Ethics  
(e.g. Bioethics, Environmental Ethics, etc.)
- Institutional Involvement in UNESCO  
(e.g. Member IBC, Member COMEST, etc.)

Global Ethics Observatory (GEObs)

Database 1: Who's Who in Ethics

Find an ethics expert

There are currently 851 experts registered in the database.

First name

Surname

Country

Region

Professional Background

Activities

Institutions

Area of Interest in Applied Ethics

Expertise in Ethics

Institutional Involvement in UNESCO

Search

**Figure 3:** GEObs1 Search Tool

Français
Español
Русский
العربية
中文

## Global Ethics Observatory (GEObs)



Home
GEObs2
GEObs3
GEObs4
GEObs5
Geographical Search

### Database 1: Who's Who In Ethics

Find an ethics expert

New search | Change search criteria

Experts 1 to 10 of 27 experts found

Page 1 of 3

Number of results per page 10

	Prefix	Surname	First name	Middle name	Country
<a href="#">View</a>	Mr.	Abou-Zeid	Alaa	Hammad Ali	Egypt
<a href="#">View</a>	Mr.	Abualraghib	Samih	Yasin	Jordan
<a href="#">View</a>	Mr.	Al-Ramahi	Ibrahim	Kamel	Jordan
<a href="#">View</a>	Mr.	Alswaillem	Abduaziz	Mohammed	Saudi Arabia
<a href="#">View</a>	Ms.	Amel	Aouij	Mrad	Tunisia
<a href="#">View</a>	Ms.	Arrayed, Al	Shaikha	Salim	Bahrain
<a href="#">View</a>	Mr.	Azalez	Rached		Tunisia
<a href="#">View</a>	Ms.	Badreddine	Lana	Ali	United Arab Emirates
<a href="#">View</a>	Ms.	Bourquia	Amal		Morocco
<a href="#">View</a>	Mr.	Boustany	Fouad		Lebanon

Page 1 of 3

**Figure 4:** GEObs1 Search Results Page

## SEARCH RESULTS

On the Search Results Page (see Figure 4), entries found are displayed in pages and users are able to:

- View the data of a particular entry found (see Figure 5)
- Sort results by Surname or Country
- Navigate between pages of search results
- Manipulate the number of entries to be displayed per page
- Change existing search criteria
- Initiate a new search
- Navigate between different databases or return to Home Page

## VIEW PAGE

When users click the “View” link on the Search Results Page, a View Page is generated as a pop-up window. On this page, data of a particular ethics expert is displayed. This includes:

- Full Name of Expert
- Title
- Workplace and Function
- Contact Information
- Professional Background
- Activities in Ethics
- Institutional Affiliations
- Expertise in Ethics
- Areas of Interest in Applied Ethics
- Institutional Involvement in UNESCO
- Current Research Projects
- Recent Publications (Journals, Chapter in Books, Books)

On this page, the options to Print and Email Data are also available to users.

The **Print function** will generate a PDF file, which can either be saved to a local drive or be sent to a printer.

The **Email Data function** will generate an email with a hyperlink to the specific entry, sent to an email address of the user's choosing.

Global Ethics Observatory (GEObs)
Database 1: Who's Who In Ethics
print
email data

Prefix	Mr.
First name	Henk
Middle name	Antonius Maria Johannes
Surname prefix	ten
Surname	Have
Titles	Dr. Professor Director
Workplace and Function	Division of Ethics of Science and Technology, UNESCO Director
Addresses	1 rue Molits 75015 Paris France Phone: +33 1 45684998 Fax: +33 1 45685515 Email: <a href="mailto:h.tenhave@unesco.org">h.tenhave@unesco.org</a>
Country	France
Professional Background	Medicine Philosophy
Activities in Relation to Ethics	Teaching Research Policy-making
Institutional Affiliation	UN agency: UNESCO
Expertise in Ethics	Bioethics: Bioethics theories and principles Bioethics: End of life Bioethics: Genetics and molecular biology Bioethics: Health care systems Bioethics: Public Health Bioethics: Research with human beings Bioethics: General (Bioethics) Environmental ethics: General (Environmental Ethics) Science Ethics: Code of Conduct Science Ethics: General (Science Ethics) Ethics of outer space / Space Ethics: General (Ethics of Outer Space) Technology ethics: Nanotechnology Technology ethics: General (Technology Ethics) Ethics education: Medical ethics Ethics education: Bioethics Ethics education: Science ethics Ethics education: General (Ethics Education)
Area of Interest in Applied Ethics	Medical Ethics Bioethics Environmental Ethics Science Ethics Technology Ethics Space Ethics
Institutional Involvement in UNESCO	Staff UNESCO
Current Research Projects	Research and Ethics 2002-01-01 - 2009-01-01
Most Recent Publication(s) in Journal	H. ten Have. 2006. 'The activities of UNESCO in the area of ethics'. <i>Kennedy Institute of Ethics Journal</i> . Vol. 16, Issue 4, pp. 333-351. [19 page(s)] A. Borovecki, H. ten Have and S. Oreskovic. 2006. 'A critical analysis of Croatian hospital ethics committees: opportunity of bureaucratic cui-de-sac? (in English)'. <i>Društvena Istraživanja Zagreb</i> . Vol. 6, Issue 86, pp. 1221-1238. [18 page(s)] H. ten Have and T. V. Ang. 2007. 'Unesco's Global Ethics Observatory'. <i>Journal of Medical Ethics</i> . Vol. 33, Issue 1, pp. 15-16. [2 page(s)]
Most Recent Book(s)	Henk A.M.J. ten Have (ed.). 2006. <i>Environmental Ethics and International Policy</i> . UNESCO Publishing, Paris. 92-3-104039-1. 226. Henk A.M.J. ten Have and Jos V.M. Welle (eds.). 2005. <i>Dutch euthanasia practice. An ethical analysis of Dutch euthanasia practice</i> . Open University Press/ Mc Graw-Hill, Maidenhead, Berkshire, UK. 0-335-21755-9. 242.

**Figure 5:** GEObs1 View Page

# ETHICS INSTITUTIONS

The **Ethics Institutions** database provides information on departments, institutes, centres, commissions, councils, committees, review boards, societies, associations and other relevant entities in the area of ethics of science and technology. Institutions within the database have been validated against their

mission, activities and publications as a confirmation of their active involvement in the field of ethics of science and technology. This database provides a platform for connecting institutional expertise to specific needs, and for exchanging expertise and experiences among institutions.

## SEARCH TOOL

The GEObs2 Search Tool (see Figure 6) enables users to search for ethics institutions using one or more of the following criteria:

- Region or Country
- Type of Organization  
(selecting a type will unlock further search options as follow: Type of Institution, Level of Operation, Founding Institution, Membership Composition, Meeting Frequency and Type of Secretariat)
- Foundation Date
- Areas of Applied Ethics  
(e.g. Ethics and Law, Food Ethics, etc.)
- Activities  
(e.g. Advocacy, Case Consultation, etc.)

**Figure 6:** GEObs2 Search Tool



## SEARCH RESULTS

The GEObs2 Search Results Page (see Figure 7) contains all the features outlined previously, and entries can be sorted by Official Name and Country Classification.

## VIEW PAGE

The GEObs2 View Page contains the following information:

- Official Name of Institution
- Contact Information
- Website (if available)
- Type of Organization and associated data, such as Type and Name of Founding Organization, Scope of Operation, Number of Members, Meeting Frequency and/or Type of Secretariat
- Foundation Year
- Head of Organization
- Areas of Ethics
- Types of Activities
- Types of Publication (if available)

Global Ethics Observatory (GEObs)

Database 2: Ethics Institutions

Find an institution, a center, a commission, or a committee in the area of ethics

New search | Change search criteria

Institutions 1 to 10 of 17 institutions found

Page 1 of 2

Number of results per page: 10

Official Name	Acronym	Country Classification
<a href="#">View</a> Bioethics Commission of Hospital del Niño	BC-HDN (CBHDN)	Panama
<a href="#">View</a> Bioethics Panama National Association	ANBIOPA	Panama
<a href="#">View</a> Bioethics Program, Hospital de Clinicas de Porto Alegre	PAPB/HCPA	Brazil
<a href="#">View</a> Bioethics Unit, Pan American Health Organization	BIUKM	Chile
<a href="#">View</a> Cátedra De Bioética (Department of Bioethics), Medical Sciences School "General Calisto García", Medical University of Havana		Cuba
<a href="#">View</a> Centro Interdisciplinario De Estudios En Bioética, Universidad De Chile	CIEB	Chile
<a href="#">View</a> Comité Institucional de Ética - Universidad Peruana Cayetano Heredia (Institutional Ethics Committee)	CIE - UPCH	Peru
<a href="#">View</a> Comité Institucional de Ética para el Uso de Animales - Universidad Peruana Cayetano Heredia (Institutional Ethics Committee for the Use of Animals)		Peru
<a href="#">View</a> Departamento De Bioética, Universidad El Bosque		Colombia
<a href="#">View</a> Facultad De Bioética, Universidad Anahuac		Mexico

Page 1 of 2

Figure 7: GEObs2 Search Results Page

Global Ethics Observatory (GEObs)

Database 2: Ethics Institutions

print | email data

Official Name	Nuffield Council on Bioethics
Address(es)	28 Bedford Square WC1B 3JS London United Kingdom of Great Britain and Northern Ireland
Telephone/fax number(s)	Phone: +44 (0)20 7681 9619 Fax: +44 (0)20 7637 1712
Email(s)	<a href="mailto:bioethics@nuffieldbioethics.org">bioethics@nuffieldbioethics.org</a>
Web site(s)	<a href="http://www.nuffieldbioethics.org">http://www.nuffieldbioethics.org</a>
Country Classification	United Kingdom of Great Britain and Northern Ireland
Type(s) of Organization	Commission, Council, Committee, Review Board
Type of Founding Organization	Charity
Name of Founding Organization	The Nuffield Foundation
Scope of Operation	Country
Number of Members	11-20
Frequency of Meetings	Quarterly
Secretariat	Permanent
Foundation Year	1991 - 2000
Head of Organization	Professor Sir Bob Hepple Chairman
Areas of Ethics	Animal Ethics Bioethics Environmental Ethics Ethics and Law Ethics and Social Sciences Medical Ethics Nursing Ethics Philosophical Ethics Science Ethics Technology Ethics
Types of Activities	Awareness Raising Research Protocol Review Policy Development and Advice Case Consultation Guideline Development Public Debate Publications Conferences and Meetings

Figure 8: GEObs2 View Page



# ETHICS

## TEACHING PROGRAMMES

Global Ethics Observatory (GEObs)

Home GEObs1 GEObs2 GEObs4 GEObs5 Geographical Search

### Database 3: Ethics Teaching Programmes

Find a teaching program related to ethics

There are currently 109 teaching programmes registered in the database.

Country	Select a country:
Region	Select a region:
Area of Ethics	Select an area:
Name of Teacher	
Faculty/Department/School	Select a faculty:
Entry Requirements for Students/Academic Background of Students	Select a requirement:
Level of University Teaching	Select a level:
Course Language	Select a language:
Number of Students Enrolled	Select a number range:
Total Number of Teaching Hours	Select a number range:
Total Number of Student Working Hours	Select a number range:
Status of the Program	Select a status:
Objectives of the Program	Select an objective:
Mandatory Study Materials	<input checked="" type="radio"/> Any <input type="radio"/> Yes <input type="radio"/> No
Recommended Study Materials	<input checked="" type="radio"/> Any <input type="radio"/> Yes <input type="radio"/> No
UNESCO Documents Used	Select a document:
Topics Included in Syllabus	<input type="checkbox"/> Animal Ethics <input type="checkbox"/> Bioethics <input type="checkbox"/> Dental Ethics <input type="checkbox"/> Engineering Ethics <input type="checkbox"/> Environmental Ethics <input type="checkbox"/> Ethics and Law <input type="checkbox"/> Ethics and Social Sciences <input type="checkbox"/> Food Ethics <input type="checkbox"/> Medical Ethics <input type="checkbox"/> Nursing Ethics <input type="checkbox"/> Pharmacy Ethics <input type="checkbox"/> Philosophical Ethics <input type="checkbox"/> Religious Ethics <input type="checkbox"/> Science Ethics <input type="checkbox"/> Space Ethics <input type="checkbox"/> Technology Ethics
Teaching Methodology	Select a methodology:
Evaluation of Students	Select a method:
<input type="button" value="Search"/>	

The Ethics Teaching Programmes database contains descriptions of existing teaching programmes within the field of ethics of science and technology. Teaching programmes have been collected and validated during meetings of ethics teaching experts held in various parts of the world. This component is strategically positioned to support and encourage collaboration in the design of ethics curricula.

### SEARCH TOOL

The GEObs3 Search Tool (see Figure 9) includes the following search options:

- Country or Region
- Area of Ethics
- Name of Teacher (text search)
- Faculty/Department/School
- Entry Requirement/  
Academic Background of Students
- Level of University Teaching
- Course Language
- Number of Students
- Teaching Hours
- Student Working Hours
- Status of Programme
- Objectives of Programme
- Mandatory Study Materials
- Recommended Study Materials
- UNESCO Documents Used
- Topics in Syllabus
- Teaching Methodology
- Evaluation of Students

Topics Included in Syllabus ☒ Animal Ethics

<input type="checkbox"/> Animal rights	<input type="checkbox"/> Beneficence
<input type="checkbox"/> Biodiversity	<input type="checkbox"/> Biosphere
<input type="checkbox"/> Biotechnology	<input type="checkbox"/> Cloning
<input type="checkbox"/> Economy/costs	<input type="checkbox"/> Endangered species
<input type="checkbox"/> Ethical theories	<input type="checkbox"/> Ethics committees
<input type="checkbox"/> Experimentation	<input type="checkbox"/> Gene therapy
<input type="checkbox"/> Genetically modified organisms	<input type="checkbox"/> Genetics – genomics
<input type="checkbox"/> History of ethics	<input type="checkbox"/> Intrinsic value
<input type="checkbox"/> Introduction into ethics	<input type="checkbox"/> Justice
<input type="checkbox"/> Law/legislation	<input type="checkbox"/> Media
<input type="checkbox"/> Moral status of animals	<input type="checkbox"/> Nature
<input type="checkbox"/> Non-maleficence	<input type="checkbox"/> Patenting
<input type="checkbox"/> Policy	<input type="checkbox"/> Research
<input type="checkbox"/> Responsibilities	<input type="checkbox"/> Rights
<input type="checkbox"/> Sentience	<input type="checkbox"/> Stem cells

**Figure 9:** GEObs3 Search Tool

## Database 3: Ethics Teaching Programmes

Find a teaching program related to ethics

New search | Change search criteria

Teaching programmes 1 to 10 of 10 teaching programmes found

Number of results per page 10

Page 1 of 1

ID	Title of the Course	University	Faculty	Level of University Teaching	Area of Ethics	Country
<a href="#">View</a> 49	Bioethics	Medical University of Łódź	Health sciences	Master program	Bioethics	Poland
<a href="#">View</a> 62	Bioethics	Nicolaus Copernicus University	Humanities	Master program	Bioethics	Poland
<a href="#">View</a> 65	Bioethics	Nicolaus Copernicus University	Humanities	Master program	Bioethics	Poland
<a href="#">View</a> 63	Environmental Ethics	Nicolaus Copernicus University	Humanities	Master program	Environmental ethics	Poland
<a href="#">View</a> 38	Ethics	Nicolaus Copernicus University	Humanities	Master program	Philosophical ethics	Poland
<a href="#">View</a> 61	Ethics	Nicolaus Copernicus University	Humanities	Master program	Philosophical ethics	Poland
<a href="#">View</a> 48	Ethics and Medical Deontology	Medical University of Łódź	Health sciences	Master program	Dental ethics	Poland
<a href="#">View</a> 64	Philosophy and Ethics	Nicolaus Copernicus University	Humanities	Continuous education	Philosophical ethics	Poland
<a href="#">View</a> 47	Philosophy and Introduction to Ethics	Medical University of Łódź	Health sciences	Graduation program	Nursing ethics	Poland
<a href="#">View</a> 50	Professional Ethics	Medical University of Łódź	Health sciences	Master program	Medical ethics	Poland

Page 1 of 1

## SEARCH RESULTS

On the GEObs3 Search Results Page, entries can be sorted by Title of the Course, University, Level of University Teaching, Area of Ethics and Country.

## VIEW PAGE

The View Page for this database displays the following items:

- Level of University Teaching (e.g. Graduation, Master, etc.)
- University Name and Location
- Faculty and Department where the course resides
- Title of the Course
- Area of Ethics (e.g. Engineering, Dental Ethics, etc.)
- Contact Information of Responsible Teacher
- Information of Teaching Team
- Logistics of the Course, including Language, Entry Requirements, Number of Students, Number of Credit Points, Distribution of Hours, Number of Student Working Hours and Course Status
- Education Objectives (e.g. Good conduct, Critical reflection, etc.)
- Details of Programme/Syllabus (e.g. Mandatory, Optional, etc.)
- Teaching Methodology (e.g. Lectures, Seminars, etc.)
- List of Mandatory and Recommended Study Materials (if available)
- UNESCO Documents Used
- Evaluation of Students (e.g. Written Test, Essay, etc.)
- Evaluation of the Course
- List of Topics in Syllabus (selecting a topic will unlock further options within that topic)
- Additional Information (if available)

Figure 10: GEObs3 Search Results Page

Global Ethics Observatory (GEObs3)	
Database 3: Ethics Teaching Programmes	
ID	55
Level of University Teaching	Graduation program
Country	Romania
City	Iasi
University	University of Medicine and Pharmacy "DR. TR. POPA"
Faculty (of the Teacher)	Medicine
Department (of the Teacher)	Neuropsychiatry, Endocrinology, Forensic Pathology, Sciences of Behavior
Title of the Course	Legal Protection of Mother and Child
Area of Ethics	Ethics and law
Responsible Teacher	Vasile Astarache <a href="mailto:vasile.astarache@unimediasi.ro">vasile.astarache@unimediasi.ro</a> Academic Background: Medicine, Law
Teaching Team	Eleonora Gabriela Iosif Academic Background: Medicine, Psychology
Language	Romanian
Place of Course in Curriculum	Second Year, 3rd or 4th Semester
Entry Requirements for Students/Academic Background of Students	Completed first year of midwifery education
Academic Disciplines of Students	Midwifery
Number of Students	21-50 (40)
Total Number of Credit Points	2
Total Number of Teaching Hours	24
Distribution of Teaching Hours in Lectures and/or Seminars/Classes	12 Hour(s) in Lectures 12 Hour(s) in Seminars/Classes
Total Number of Student Working Hours	36
Course Status	Mandatory
Educational Objectives	Awareness of normative dimensions Moral sensitivity Good conduct Identification of moral issues Knowledge/Information Understanding/Reasoning Analysis/Reasoning Justification/Argumentation Critical reflection
Programme/Syllabus	1. History of the midwifery profession in Europe and the USA 2. History of the midwifery profession in Romania - the status of midwives in Romanian society over time - the current legal status of the midwifery profession in Romania - discussion of the law 507/2004 - patients' rights in Romania - discussion of law 49/2003 on patients' rights in Romania - Code of deontology for midwives
Teaching Methodology	Lectures (12 hours) Seminars (12 hours) Clinical cases (hours)
Mandatory Study Materials	- Gh. Briceanu: Medicina legala (Textbook of legal medicine) - Codul deontologic roman, (The Romanian deontological code) - Logica dispoziției psihice (The patient's rights law)
Recommended Study Materials	- Revista romana de bioetica (Romanian Journal of Bioethics) - V. Astarache: Esențele în Bioetica, (The essentials of bioethics) - Bioetica Ioan, Cristina Gheorghiță, V. Astarache: Bioetica în lume - cazul celulei (Bioethics in the world - Famous cases)
UNESCO Documents Used	Universal Declaration on the Human Genome and Human Rights International Declaration on Human Genetic Data Report of the IBC - Genetic Screening and Testing - 1994 - Confidentiality and Genetic Data - 1994
Evaluation of Students	Essay Word Length/Pages: 12 Number of Essays: 1 Topic: Any topic in Bioethics Attendance Participation in seminars Other: Originality, capacity of reasoning and using the ethical principles and theories in evaluation of a particular case or a clinical situation
Evaluation of the Course	Is the program evaluated? Yes Frequency: Each semester Method: Student evaluation (anonymous questionnaires) and faculty staff evaluation
Topics Included in Syllabus	Ethics and Law Abortion Ethics and Law Assisted Reproduction Ethics and Law Bioethics Ethics and Law Bioethics Ethics and Law Biotechnology

Figure 11: GEObs3 View Page



# ETHICS

## RELATED LEGISLATION & GUIDELINES

This database is designed as a comparative tool of ethics related legislation and guidelines introduced within various countries to normalize activities in the fields of science and technology. The descriptions of legal instruments in this database have been carefully

compiled and analysed by legal experts working with UNESCO on this initiative. It establishes a valuable platform for sharing of knowledge and experiences in policymaking and management of ethical issues in science and technology.

### SEARCH TOOL

Users are able to search this database using one or more of the following terms (see Figure 12):

- Region or Country
- Bioethical Themes (currently covering medical research with human beings; access to health care and essential medicines; genetic counselling; protection of future generations; freedom of scientific research; human cloning (reproductive and therapeutic cloning); organ transplantation; biobanking; non-discrimination in health care; protection of genetic resources; and ethics committees)
- Topics from UNESCO Declarations (selecting a declaration will unlock further search options to enable refined searches according to specific articles of the declaration)
- Legal Categories (covering Treaties, Constitution, Domestic Laws, Authoritative Case Laws and Guidelines)

**Global Ethics Observatory (GEObs)**

Home GEObs1 GEObs2 GEObs3 GEObs5 Geographical Search

**Database 4: Legislation and guidelines**

Find a legislation or a guideline

There are currently 4 countries and 58 instruments registered in the database.

**Region** Select a region:

**Country** Select a country:

**Themes**

- ☒ Any
- ☐ Medical research with human beings
- ☐ Access to health care and essential medicines
- ☐ Genetic counselling
- ☐ Protection of future generations
- ☐ Freedom of scientific research
- ☐ Human cloning (reproductive and therapeutic cloning)
- ☐ Organ transplantation
- ☐ Biobanking
- ☐ Non-discrimination in health care
- ☐ Protection of genetic resources
- ☐ Ethics committees

**Topics from declaration** Select a declaration:

**Legal categories**

- ☒ Any
- ☐ Treaties [List all Treaties]
- ☐ Constitution
- ☐ Domestic laws
- ☐ Authoritative case laws
- ☐ Guidelines

Search

**Topics from declaration** Universal Declaration on Bioethics and Human Rights

- ☒ Any
- ☐ Article 03: Human dignity and human rights
- ☐ Article 04: Benefit and harm
- ☐ Article 05: Autonomy and individual responsibility
- ☐ Article 06: Consent
- ☐ Article 07: Persons without the capacity to consent
- ☐ Article 08: Respect for human vulnerability and personal integrity
- ☐ Article 09: Privacy and confidentiality
- ☐ Article 10: Equality, justice and equity
- ☐ Article 11: Non-discrimination and non-stigmatization
- ☐ Article 12: Respect for cultural diversity and pluralism
- ☐ Article 13: Solidarity and cooperation
- ☐ Article 14: Social responsibility and health
- ☐ Article 15: Sharing of benefits
- ☐ Article 16: Protecting future generations
- ☐ Article 17: Protection of the environment, the biosphere and biodiversity
- ☐ Article 18: Decision-making and addressing bioethical issues
- ☐ Article 19: Ethics committees
- ☐ Article 20: Risk assessment and management
- ☐ Article 21: Transnational practices
- ☐ Article 22: Role of States
- ☐ Article 23: Bioethics education, training and information

**Figure 12:** GEObs4 Search Tool



The database currently covers the following UNESCO declarations:

- *Universal Declaration on Bioethics and Human Rights*
- *International Declaration on Human Genetic Data*

All bioethical themes have been linked with specific articles within the UNESCO declarations, and all legal instruments have also been linked with specific bioethical themes and their associated articles of the UNESCO declarations. Linking of instruments to articles of the UNESCO declarations is intended to provide a clearer picture of how the declarations are impacting the legal repertoire of countries.

In terms of legal categories, the following should be noted:

- **Treaties** refer to a limited list of international normative instruments, each of which is linked to bioethical themes and articles of the UNESCO declarations. This cross-referencing is available via the “List all Treaties” option on the search tool.
- **Domestic laws** include all binding instruments that have a clear enforcement mechanism, while all non-binding instruments are classified as **Guidelines**.
- **Authoritative case laws** are limited to influential cases only.

Additional bioethical themes, legal categories, treaties and articles of other ethics related UNESCO declarations could be added in the future.

## SEARCH RESULTS

Entries on the GEObs4 Search Results Page are displayed with indications of applicable bioethical themes selected by the user, and can be sorted by Country, Title and Legal Category (see Figure 13).

## VIEW PAGE

The GEObs4 View Page (see Figure 14) consists of the following data items:

- Title of instrument
- Legal Category
- Country
- Years of adoption, entering into force and publication
- Applicable topics from declarations
- Short description

Under the **Applicable topics from declarations** section, bioethical themes are listed with the associated articles from the UNESCO declarations that are applicable to the instrument.

The **Short description** section provides excerpts of provisions within the instrument as related to specific articles of the declarations, organized by bioethical themes.

If specific theme(s) and article(s) are specified for the search, the **Short description** section will only display the provisions related to the requested theme(s) and article(s). This feature allows users to filter and focus the information within the database for very specific purposes.

In order to assist users to place the legal instruments within the appropriate national legal contexts, the database provides brief explanations of national legal systems, accessible by clicking on a country’s name, either on the Search Results Page or View Page. Whenever available, these explanations are provided via official websites. Otherwise, non-interpretative descriptions are provided.

Furthermore, neutral and objective explanations of the instrument or a particular provision are included through the various “comments” links if these are deemed necessary to enhance users’ understanding of the information. Whenever available, a link to and official website containing the full text of the instrument are provided.

**Database 4: Legislation and guidelines**

Find a legislation or a guideline

Search results for:  
**Themes:** Medical research with human beings  
 Access to health care and essential medicines  
 Genetic counselling  
 New search | Change search criteria  
 Instrument 1 to 10 of 53 instruments found  
 Page 1 of 6 | Number of results per page: 10

Country	Title	Themes	Legal Category
<a href="#">View</a> Brazil	Brazilian Ministry of Health Directive n. 1.391/05	Genetic counselling	Domestic laws
<a href="#">View</a> Brazil	Brazilian Ministry of Health Directive n. 822/01	Genetic counselling	Domestic laws
<a href="#">View</a> Jordan	Centers of Correction and Rehabilitation Law No. 9	Access to health care and essential medicines	Domestic laws
<a href="#">View</a> Japan	Civil Law	Medical research with human beings	Domestic laws
<a href="#">View</a> Brazil	Code of Dental Ethics Resolution n. 42/03 of the Federal Council of Dentistry	Access to health care and essential medicines	Guidelines
<a href="#">View</a> Brazil	Code of Medical Ethics Resolution n. 1.246/88 of the Federal Council of Medicine	Medical research with human beings	Guidelines
<a href="#">View</a> Jordan	Conducting Medical Research Provisional Law and its amendments No. 67	Medical research with human beings	Domestic laws
<a href="#">View</a> Japan	Constitution of Japan	Access to health care and essential medicines	Constitution
<a href="#">View</a> Ethiopia	Constitution of the Federal Democratic Republic of Ethiopia	Genetic counselling	Constitution
<a href="#">View</a> Brazil	Constitution of the Federative Republic of Brazil	Access to health care and essential medicines	Constitution
		Genetic counselling	

Page 1 of 6 | 1 2 3 4 5 6

**Figure 13:** GEObs4 Search Results Page

Although this database can be used as a comparative tool of ethics related legal instruments across various countries, it should be clarified that it is not meant to be a checklist or reporting tool of different countries, but rather an inspirational and educational tool.

<b>Title:</b>	<b>The Jordanian Constitution and its amendments</b>
<a href="#">[comments]</a>	
<b>Legal Category:</b>	Constitution
<b>Country:</b>	<a href="#">Jordan</a>
<b>Year of adoption:</b>	1952
<b>Year of entering into force:</b>	1952
<b>Year of publication:</b>	1952
<b>Applicable topics from Declarations:</b>	<p><b>Theme: Medical research with human beings</b>  <b>Declaration: Universal Declaration on Bioethics and Human Rights</b>  Article 03: Human dignity and human rights</p> <p><b>Theme: Access to health care and essential medicines</b>  <b>Declaration: Universal Declaration on Bioethics and Human Rights</b>  Article 03: Human dignity and human rights  Article 10: Equality, justice and equity</p> <p><b>Theme: Genetic counselling</b>  <b>Declaration: Universal Declaration on Bioethics and Human Rights</b>  Article 03: Human dignity and human rights</p>
<b>Short description:</b>	<p><b>Theme: Medical research with human beings</b>  <b>Declaration: Universal Declaration on Bioethics and Human Rights</b>  <b>Declaration Art. 03</b>  Art. 7:  "Personal freedom shall be guaranteed."</p> <p><b>Declaration Art. 03</b>  Art. 8:  "No person may be detained or imprisoned except in accordance with the provisions of the law."</p> <p><b>Theme: Access to health care and essential medicines</b>  <b>Declaration: Universal Declaration on Bioethics and Human Rights</b>  <b>Declaration Art. 03</b>  Art. 7:  "Personal freedom shall be guaranteed."</p> <p><b>Declaration Art. 03</b>  Art. 8:  "No person may be detained or imprisoned except in accordance with the provisions of the law."</p> <p><b>Declaration Art. 10</b>  Art. 6:  "(iii) Jordanians shall be equal before the law. There shall be no discrimination between them as regards to their rights and duties on grounds of race, language or religion.  (iv) The Government shall ensure work and education within the limits of its possibilities, and it shall ensure a state of tranquility and equal opportunities to all Jordanians."</p> <p><b>Theme: Genetic counselling</b>  <b>Declaration: Universal Declaration on Bioethics and Human Rights</b>  <b>Declaration Art. 03</b>  Art. 7:  "Personal freedom shall be guaranteed."</p> <p><b>Declaration Art. 03</b>  Art. 8:  "No person may be detained or imprisoned except in accordance with the provisions of the law."</p>

Figure 14: GEObs4 View Page

# CODES OF CONDUCT

**This database functions** as a comparative tool for codes of conduct related to the ethics of science and technology issued by professional entities in the private and public sectors. These codes have been collected by or submitted to

UNESCO for analysis so that common principles can be identified. It is designed to facilitate the exchange of information and experiences, as well as to assist professional entities seeking to establish their own codes of conduct.

## SEARCH TOOL

The database can be searched using one or more of the following criteria (see Figure 15):

- Text Search (search for specific words in the titles or providers of the codes)
- Region or Country
- Geographical coverage
- Profession and/or discipline (ILO ISCO-88)
- Nature of the code
- Field of activity (e.g. Information Technology, Psychology, etc.)
- External principles (common principles identified thus far)
- Internal principles (common principles identified thus far)

In order for a code to be included in the database, the following criteria must be met:

- **Provider of the Code:** The code must be issued by an entity dealing with science and technology issues, with the intention to regulate/inspire/educate the behaviour of its own members (individuals and/or institutions) or addressing scientists in general. Regulations issued by legislative bodies, and thus addressing all citizens, have been excluded from the collection.
- **Addressee of the Code:** The code must concern professionals within scientific professions or disciplines in any area of science. The addressees should be members/employees of the organization providing the code or scientists in general. Codes that exclusively concern non-professionals, for example students, have not been included in the collection.
- **Content of the Code:** A code must have a normative content: ethical principles, values, norms, rules of conduct.

Global Ethics Observatory (GEObs)

Database 5: Codes of Conduct

Find a code of conduct

There are currently 103 codes of conduct registered in the database.

Search

Region: Select a region:

Country: Select a country:

Geographical coverage of the code

Any (selected) Global Regional National

Profession and/or discipline: Select a profession and/or discipline:

Nature of the code

Any (selected) Aspirational Educational Regulatory

Field of activity: Select a field of activity:

External principles: Select an external principle:

Internal principles: Select an internal principle:

Search

**Figure 15:** GEObs5 Search Tool



Under geographical coverage, the term global refers to codes issued by organizations which are represented in many (but not necessarily all) countries.

Under nature of the code, the system uses the following classifications proposed by Mark S. Frankel (*Journal of Business Ethics*, 1989; 8: 109-115):

- **Aspirational:** “(...) a statement of ideals to which practitioners should strive. Instead of focusing on notions of right and wrong, the emphasis is on the fullest realisation of human achievement.”
- **Educational:** a code that serves to enhance understanding of its provisions with extensive commentary and interpretation demonstrating how it can be helpful in dealing with ethical problems associated with professional practices.
- **Regulatory:** a code that “includes a set of detailed rules to govern professional conduct and to serve as a basis for adjudicating grievances. Such rules are presumed to be enforceable through a system of monitoring and the application of a range of sanctions.”

External principles are related to the social context and responsibility towards society. Internal principles refer to scientists’ individual professional behaviour on ethical issues.

**Database 5: Codes of Conduct**

Find a code of conduct

New search | Change search criteria

Codes of Conduct 1 to 10 of 14 codes of Conduct found

Number of results per page 10

Page 1 of 2

	ID	Title of the Code	Provider of the code	Profession and/or discipline	Country	Geographical coverage
View	61	Basic Code of Practice for Individual Corporate Members	Computer Society of Zimbabwe	Computing professionals	Zimbabwe	National
View	42	Code of conduct	Computer Society of South Africa	Computing professionals	South Africa	National
View	62	Code of Ethics for All Individual Members	Computer Society of Zimbabwe	Computing professionals	Zimbabwe	National
View	64	Code of Ethics for Institutional Members	Computer Society of Zimbabwe	Computing professionals	Zimbabwe	National
View	63	Code of Professional Conduct for Individual Corporate Members	Computer Society of Zimbabwe	Computing professionals	Zimbabwe	National
View	108	Conducting Research In Zimbabwe. What researchers need to know?	Medical Research Council of Zimbabwe	Scientists in general	Zimbabwe	National
View	82	Guidelines for ethical research (book 1: General guideline)	South African Medical research council	Researchers	South Africa	National
View	83	Guidelines for ethical research (book 2: Reproductive Biology and Genetic Research)	South African Medical research council	Researchers	South Africa	National
View	84	Guidelines on Ethics for Medical Research (Book 3: Use of animals in research and training)	South African Medical research council	Researchers	South Africa	National
View	85	Guidelines on Ethics for Medical Research (Book 4: Use of Biohazards and Radiation)	South African Medical research council	Researchers	South Africa	National

Page 1 of 2

**Figure 16:** GEObs5 Search Results Page

## SEARCH RESULTS

Users are able to sort GEObs5 search results by Title of Code, Provider of Code, Profession and/or Discipline, Country and Geographical Coverage (see Figure 16).

## VIEW PAGE

Data elements displayed on the GEObs5 View Page include (see Figure 17):

- Title and Provider of code (websites if available)
- Country and Geographical coverage
- Profession and/or discipline
- Nature of code and date published
- Membership of organization, commitment to code, sanctions, and disciplinary body
- Fields of activity
- Applicable common external and internal principles, including extracted texts from the code relevant to the specific principle.

Global Ethics Observatory (GEObs)

Database 5: Codes of Conduct

print | email data

ID	82
Title of the Code	Code of Ethics for All Individual Members <a href="#">Link to Code</a>
Provider of the code	Computer Society of Zimbabwe <a href="http://www.csz.org.zw/">http://www.csz.org.zw/</a>
Country	Zimbabwe
Geographical coverage	National
Profession and/or discipline	Computing professionals
Nature of the code	Regulatory
Membership of organization	Members (Individual Corporate Members, professional practitioners)
Commitment to code	Mandatory
Sanctions	Yes
Disciplinary body	Yes
Date published	2000
Fields of activity	Information Technology (Systems, Software, Applications, Communications, Education and Research)
External principles	Prestige of the profession ▶ <a href="#">extract</a>
Internal principles	Confidentiality of information ▶ <a href="#">extract</a>

Schedule 1b, Principle 4:  
Respect the confidentiality of information acquired in the course of his work and should not disclose any such information to a third party without specific authority or unless there is a legal or professional duty to disclose.

Schedule 1b, Guideline for Principle 4  
4.1. Do not seek to acquire, through your position or special knowledge, for your own or others' use, any information that is not rightly yours to possess.

Conflicts of interest ▶ [extract](#)

Honesty ▶ [extract](#)

Integrity ▶ [extract](#)

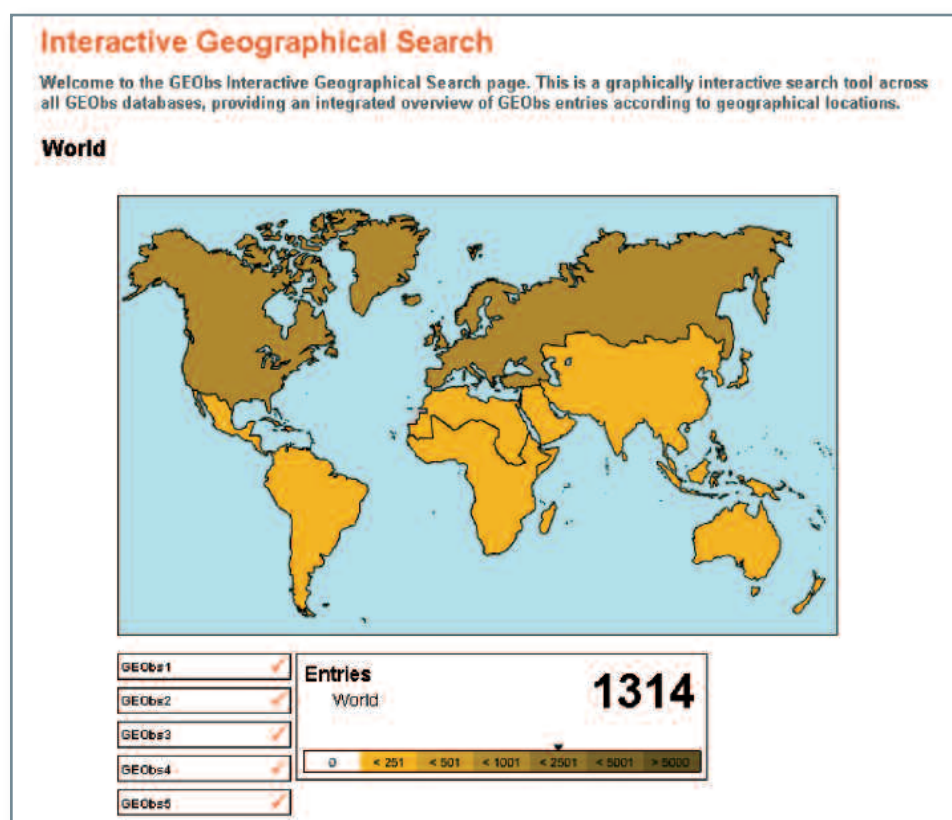
Work only in area of expertise ▶ [extract](#)

Prevent and report unethical conduct ▶ [extract](#)

Give due credit ▶ [extract](#)

**Figure 17:** GEObs5 View Page

# INTERACTIVE GEOGRAPHICAL SEARCH



**Figure 18:** World View

## DISCLAIMER

The designations employed and the presentation of material throughout this website do not imply the expression of any opinion whatsoever on the part of UNESCO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

The Interactive Geographical Search feature provides an integrated overview of all GEObs databases, represented in terms of data intensity on a world map (see Figure 18).

## REGIONAL MAPS

The world map is divided into the following five regions of UNESCO:

- Africa
- Arab States
- Asia and the Pacific
- Europe and North America
- Latin America and the Caribbean

When a particular region is selected, the map changes to provide a closer view of all the countries within that region (see Figure 19).

When a country is selected on the regional maps, a pop-up window displaying all the entries of the selected database(s) for that country is activated (see Figure 20). Users can then choose to view individual data items displayed on this page. This feature provides users with a means of quickly obtaining an overview of all ethics experts, institutions, teaching programmes, legal instruments and codes of conduct within the GEObs databases.

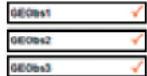
It should also be noted that the collection of data for GEObs is a continuous process, and the absence of data for a particular country in any of the databases does not necessarily mean that data does not exist. It most probably means that further efforts to seek out that particular information is needed, and users should check the system again at a later date.

## SEARCH TOOLS

**Users are able to navigate the regional maps and the system as a whole by using the tools below:**


This tool allows users to select the databases to be searched and displayed on the map.

**Database Selection Tool**




This tool shows how many entries in the selected databases are available for a particular country.

**Entries Display Tool**




This tool allows users to change the map view by zooming in or out.

**Zoom Tool**




This tool is only available once users have zoomed in on the map. It allows users to move the map in the zoomed in view. Users can also move the map using the grey arrows on the sides of the map.

**Move Tool**



This tool allows users to return to the main page (world view) of the Interactive Geographical Search feature.

**World View Tool**



## ■ Database Selection Tool

GE00s1	✓
GE00s2	✓
GE00s3	✓

- **Entries Display Tool**

World

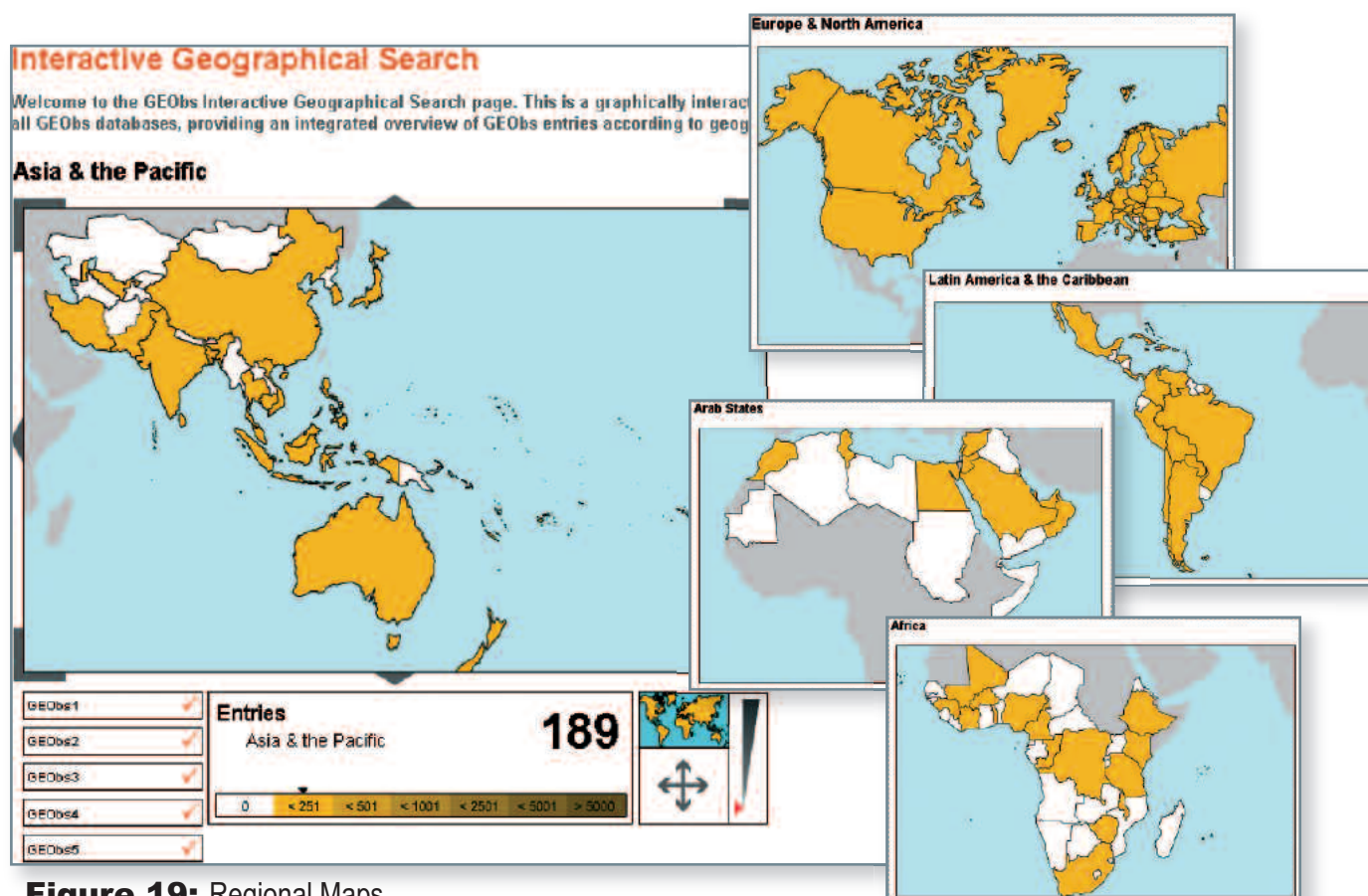
- **Zoom Tool**



- **Move Tool**



- **World View Tool**



### Figure 19: Regional Maps



## GEObs1

## Who's Who in Ethics

	Prefix	Surname	First name	Middle name
<a href="#">View</a>	Mr.	Akabayashi	Akira	
<a href="#">View</a>	Ms.	Akiba	Etsuko	
<a href="#">View</a>	Mr.	Aoki	Kiyoshi	
<a href="#">View</a>	Mr.	Bagheri	Alireza	
<a href="#">View</a>	Mr.	Fujiki	Norio	
<a href="#">View</a>	Mr.	Fukuma	Seishi	
<a href="#">View</a>	Mr.	Ida	Ryuichi	
<a href="#">View</a>	Mr.	Igarashi	Yasuhiko	
<a href="#">View</a>	Ms.	Kato	Makina	
<a href="#">View</a>	Mr.	Lai	On-Kwok	
<a href="#">View</a>	Mr.	Matsuda	Masami	
<a href="#">View</a>	Mr.	Nagaoka	Shigeo	
<a href="#">View</a>	Mr.	Nakata	Mitsuo	
<a href="#">View</a>	Mr.	Nudeshima	Jiro	
<a href="#">View</a>	Mr.	Sakai	Akio	
<a href="#">View</a>	Ms.	Sawada	Aiko	
<a href="#">View</a>	Mr.	Shinagawa	Shinryo	Nobuyoshi
<a href="#">View</a>	Mr.	Tsuchida	Tomoaki	
<a href="#">View</a>	Ms.	Yamaguchi	Tomiko	

## GEObs2

## Institutions

	Official Name	Acronym
<a href="#">View</a>	Japan Association for Bioethics	JAB
<a href="#">View</a>	Research Center for Moral Science, The Institute of Moralogy	RCMS

## GEObs3

## Teaching Programmes

No entries

## GEObs4

## Legislation and Guidelines

	Instrument
<a href="#">View</a>	Civil Law
<a href="#">View</a>	Constitution of Japan
<a href="#">View</a>	Criminal Code
<a href="#">View</a>	Ethical Guidelines for Human Genome and Genetic Research
<a href="#">View</a>	Ethical Guidelines on Clinical Research
<a href="#">View</a>	Fundamental Principles of Research on the Human Genome
<a href="#">View</a>	Guidelines for Genetic Tests
<a href="#">View</a>	Guidelines on Clinical Research
<a href="#">View</a>	Medical Act
<a href="#">View</a>	Regulation on standard of clinical trial of new drug

## GEObs5

## Codes of Conduct

	ID	Title of the Code	Provider of the code	Profession and/or discipline	Geographical coverage
<a href="#">View</a>	114	Code of Ethics	Atomic Energy Society of Japan	Architects, engineers and related professionals	National
<a href="#">View</a>	29	Code of Ethics of the Information Processing Society of Japan	Information Processing Society of Japan	Computing professionals	National
<a href="#">View</a>	30	Japan Information Technology Services Industry Association Code of Ethics	Japan Information Technology Services Industry Association	Computing professionals	National

Figure 20: Country Overview Page

# CONTRIBUTING TO GEObs

We invite you to enrich GEObs by providing data you would like to see included in any of the databases. For this and for further information, please contact:

## UNESCO

Division of Ethics of Science and Technology  
Social and Human Sciences Sector  
1, rue Miollis  
75732 Paris Cedex 15  
France

Phone: +33 1 45 68 37 81  
Fax: +33 1 45 68 55 15

E-mail: [geobs@unesco.org](mailto:geobs@unesco.org)  
Website: [www.unesco.org/shs/ethics/geobs](http://www.unesco.org/shs/ethics/geobs)

## DIVISION OF ETHICS OF SCIENCE & TECHNOLOGY

The Division of Ethics of Science and Technology embodies the priority UNESCO gives to the promotion of ethics of science and technology, with emphasis on bioethics.

The Division's actions include providing support for Member States of UNESCO that are planning to develop activities in the field of ethics of science and technology.

The Division also functions as the executive secretariat for three international ethics bodies, namely the World Commission on the Ethics of Scientific Knowledge and Technology (COMEST), the International Bioethics Committee (IBC) and the Intergovernmental Bioethics Committee (IGBC).

Website: [www.unesco.org/shs/ethics](http://www.unesco.org/shs/ethics)