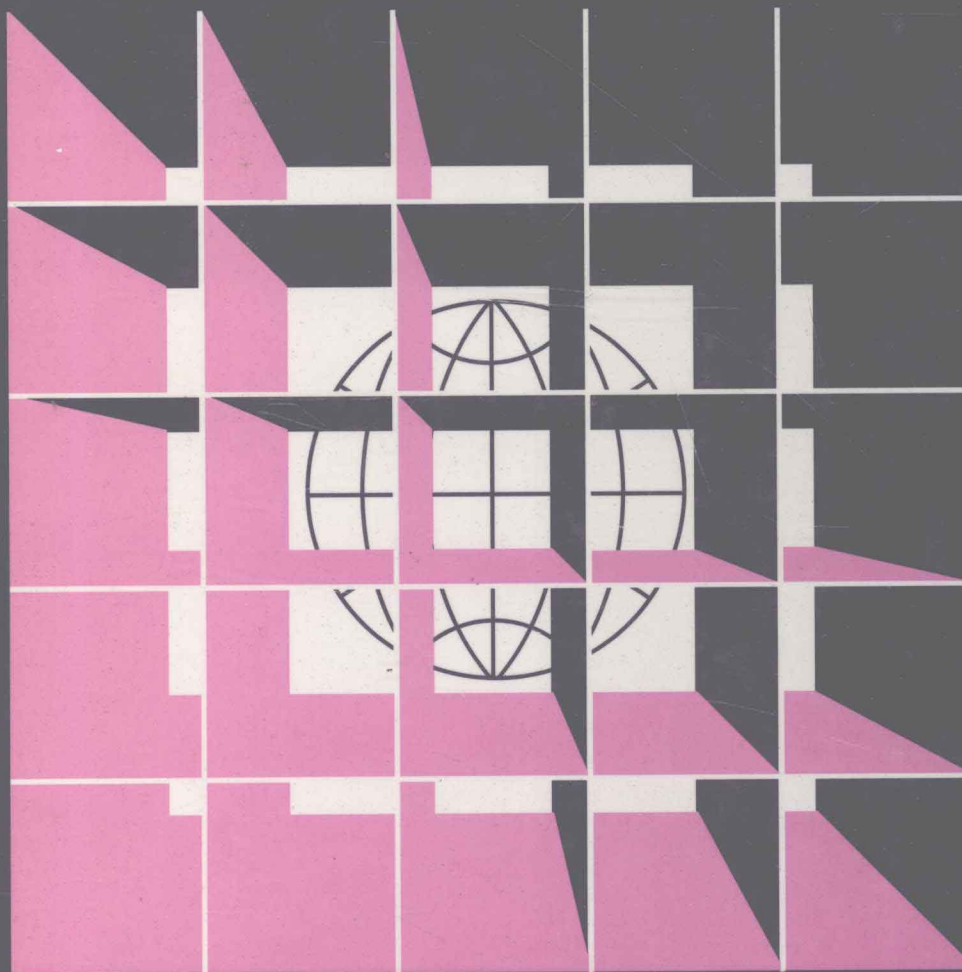


International Research Centers Directory

Tenth Edition

1998



Donna Wood,
Editor

International Research Centers Directory

**Tenth Edition
1998**

A World Guide to over 8,250 Government, University, Independent Nonprofit, and Commercial Research and Development Centers, Institutes, Laboratories, Bureaus, Test Facilities, Experiment Stations, Research Parks, and Data Collection and Analysis Centers, as well as Foundations, Councils, and Other Organizations Which Support Research

Donna Wood, Editor



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International Research Centers Directory



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RESEARCH DIRECTORIES PUBLISHED BY GALE RESEARCH

TYPE OF ORGANIZATIONS COVERED				
TITLE	University-Related & Independent NONPROFIT	Private Sector Firms & Individuals FOR-PROFIT	Funded by Government	Countries Surveyed
<i>Research Centers Directory</i>	✓			U.S. & Canada
<i>Research Services Directory</i>		✓		U.S. & Canada
<i>International Research Centers Directory</i>	✓	✓	✓	International (excluding U.S.)
<i>Government Research Directory</i>			✓	U.S. & Canada

Introduction

International Research Centers Directory (IRCD) is the most current, comprehensive resource on government, university, independent nonprofit, and commercial research organizations in more than 150 countries. Among the facilities covered in *IRCD* are research institutes, laboratories, experiment facilities, test stations, research coordinating offices, data collection and analysis centers, research arms of foundations and industry groups, multinational scientific bodies, research and development consulting organizations, and research support units.

Research has been broadly defined to include basic, applied, and developmental studies, as well as data collection and analysis. Coverage is limited to research organizations based outside the United States. Users should consult the following titles published by Gale Research for information on U.S. research organizations:

Research Centers Directory (RCD): lists university-related and independent nonprofit research centers in the U.S. and Canada

Government Research Directory (GRD): includes research units operated by the U.S. and Canadian federal governments

Scope

IRCD contains more than 8,250 entries.

All major subject areas are represented, including:

- Agriculture
- Biology and life sciences
- Environment and conservation
- Health and medicine
- Physical and space sciences
- Business and economics
- Government and public policy
- Behavioral and social sciences
- Education
- Humanities
- Regional and area studies

Entries contain complete contact information, including phone, fax, telex, e-mail and WWW Home page numbers when available. The entry descriptions feature a wealth of details on parent organizations, research affiliates, staffing, special equipment and facilities, information dissemination, educational programs, research services, and libraries.

Entry and Country Index Arrangements

In order to quickly identify and locate similar international research centers in specific subject fields, *IRCD* chapters are arranged into 17 sections by subject with these sections grouped into five broad categories:

- Life Sciences
- Physical Sciences and Engineering
- Private and Public Policy and Affairs
- Social and Cultural Studies
- Multidisciplinary and Coordinating Research Centers

Within each section, entries are listed alphabetically by the English name of the research center. The Country Index also reflects this arrangement. This arrangement aids in locating all research centers within a given country and also assists in identifying and grouping entries within a country by subject areas for quick and easy access.

IRCD contains three indexes that facilitate access to the descriptive listings:

- The **Master Index**, which includes citations to all research units by English and non-English names and by English name keywords; citations also include country designations.

- The **Subject Index**, which includes more than 3,000 terms and cross-references; entries are arranged by country under each subject term.
- The **Country Index**, which offers a convenient overview of all organizations located or based in a given country, subdivided into 17 subject chapters within each country.

Consult the User's Guide that follows this introduction for additional information on the arrangement and indexing of entries.

Method of Compilation

Every effort has been made to revise and completely update listings that appeared in the previous edition of *IRCD*, and to provide new and timely information on research units not previously listed. For this edition, thousands of changes have been made to center names, addresses, telephone and fax numbers, research activities, publications, and other important information.

Entries in *IRCD* are updated and compiled using questionnaire responses, the publications and correspondence accompanying the responses, and the information found on Internet Home Pages. When research units do not respond in writing, efforts are made to verify information via telephone, fax, or e-mail, or by consulting reliable secondary sources.

Available in Electronic Formats

Diskette/Magnetic Tape. *International Research Centers Directory* (along with *RCD* and *GRD*) is available for licensing on magnetic tape or diskette in a fielded format. Either the complete database or a custom selection of entries may be ordered. The database is available for internal data processing and nonpublishing purposes only. For more information, call 800-877-GALE.

Online. *IRCD* (along with *RCD* and *GRD*) is also accessible as File 115 through Knight-Ridder Information Inc.'s DIALOG service. For more information, contact Knight-Ridder Information Inc., 2440 El Camino Real, Mountain View, CA 94040; phone: (415) 254-7000; toll-free: 800-3-DIALOG.

GaleNet. *International Research Centers Directory* (along with *RCD* and *GRD*) are also available on a subscription basis through GaleNet, a new online information resource that features an easy-to-use end-user interface, the powerful search capabilities of the BRS/Search retrieval software, and ease of access through the World-Wide Web. For more information, call 800-877-GALE.

Acknowledgments

Acquisition of data concerning the research activities included in *IRCD* and preparation of the individual listings have been greatly facilitated by the cooperation of officials of the listed research units.

Suggestions and Comments Welcome

Questions, comments, and suggestions regarding *IRCD* are always welcome, as is information on research organizations not listed in this directory. Please contact:

International Research Centers Directory
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835 Penobscot Bldg.
645 Griswold St.
Detroit, MI 48226-4094
Toll-free: (800) 347-GALE
Telephone: (313)961-2242
Fax: (313) 961-6815

User's Guide

Descriptive listings in *International Research Centers Directory* are organized into 5 broad categories and 17 sections by subject, as listed on the "Contents" page. Entries are arranged alphabetically by sponsoring agency, university, or college name (if applicable) and then by center name within each section.

Shown below is a fictitious listing illustrating the kind of information that is or might be included in an entry. Each item of information designated by a circled number is described following the example.

[1] ★3862★ [2] Western Ontario University - D.T.A. Tighe Institute for Planetary Studies	
[3] (TIPS)	
[4] Dept. of Planetary Sci. College of Sci. Johnson Bldg., Rm. 210 1 Neptune Ave. London, ON, Canada N6A 3K7	[5] Phone: (519)642-0351 [6] Fax: (519)642-0337 [7] TTY: (519)642-1250 [8] Free: 800-645-3434 [9] Telex: 545869 TIP [11] Cable: 4456 733
[10] Prof. Laura A. Wisner, Dir.	
[12] Email: lawisner@tips.wou.edu	
[13] WWW: http://www.wou.tips/t.html	
[14] Fnd: 1974. [15] Desc: Integral unit of Department of Planetary Science, College of Science, Western Ontario University. [16] Ann.Res.Budget: CA\$400,000. [17] Staff: 2 Research, 4 Administrative, 3 Graduate, 1 Other.	
[18] Fin.Sup: Canadian government, local government. [19] AKA: PlanetLab.	
[20] Membs: Ontario Consortium for Space Research. [21] Res: Planetary geology, image processing, and photogeology, including analysis of spacecraft data.	
[22] Rsrcs: 32cm refracting telescope; lunar specimens. [23] Databases: Voyager and Apollo analyses of lunar and planetary geology; lunar rock characteristics.	
[24] Pubs: Planetary Facts Newsletter (monthly); Annual Report. [25] Educ: Graduate Training Program. [26] Mtgs: Interplanetary Space Conference, in May.	
[27] Scholarships: Competitive Graduate Fellowship; Annual Research Scholarship; Paid Internships. [28] Awards: Spaceman of the Year (annually).	
[29] Srvcs: Open House (annually); Consultation to government agencies.	
[30] Lib. Holdings: 10,300 volumes; 500 Journals; 200 Articles; 300 Slides.	
[31] Lib. Subjects: Lunar, solar, and planetary science. [32] Libn: Ivan van Krimpen, Asst. Libn. [33] Alt. Contact: Lori Dean, PhD, Asst. Dir., Phone: (519)642-0360, Fax: (519)642-1565, Email: idean@plas.wmu.edu . [34] Info. Off: Rachel M. Gerring, Dir. of Res. [35] Tech. Trans. Off: Lucas van Krimpen.	
[36] Affl.Ctrs: Arizona Observatory.	

[1] **Sequential Entry Number.** Entries are numbered sequentially, beginning with the first entry in Section 1 and ending with the last entry in Section 17. The entry numbers (rather than page numbers) are used in the indexes to refer to listings.

[2] **Research Center Name.** English name of the research organization, followed by the Non-English name, when known. All names appear in the Master and Country Indexes. If the center is a unit of an academic or government institution, the parent organization name is listed prior to the center name. All research units associated with a particular institution or agency are listed under the institution's name in the Master Index.

[3] **Acronym.** The official acronym or initialism of the research center is listed in the entry and included in the Master Index.

[4] **Address.** Location or permanent mailing address of the research unit. In some instances the address may not be in the same city, state or province, or even country as the parent institution.

- [5] **Phone Number.** This is listed when provided by the organization and is usually for the main office of activity.
- [6] **Fax Number.** This is listed when provided by the organization.
- [7] **TTY.** Telecommunication Device for the Deaf number is listed when provided by the organization.
- [8] **Free.** Toll-free number is listed when provided by the organization.
- [9] **Telex.** This is listed when provided by the organization.
- [10] **Head of Organization.** Name and title of director or head of the center.
- [11] **Cable.** This is listed when provided by the organization.
- [12] **Email.** This is listed when provided by the organization and refers to the Internet, unless otherwise indicated.
- [13] **Home Page.** This is listed when provided by the organization and usually refers to the center's World Wide Web Home Page.
- [14] **Founded.** The year in which the research unit was established or founded. If the center has changed its name, the founding date is usually for the earliest name under which it is known.
- [15] **Description.** Information on the governance and present status of center, such as whether it is an integral unit of a university or other organization, is separately incorporated but affiliated with or located at a university, or is itself a private, independent nonprofit organization. In many cases, the unit's affiliated department or division within the parent institution is mentioned, as is the existence of any internal governing body.
- [16] **Research Budget.** Annual dollar volume of research is provided when authorized for publication by the center. Annual revenues may also be included.
- [17] **Staff.** Lists numbers of full-time permanent and part-time personnel, including research, administrative, technical, faculty, postdoctoral, graduate, and other staff.
- [18] **Financial Support.** Listed when provided, including institutional, governmental, and private grants as well as the in-house projects and sales that help maintain the research activities of the organization.
- [19] **Also Known As.** Alternate or informal names by which the center may be known.
- [20] **Memberships.** Consortia, networks, and significant associations in which the center maintains membership.
- [21] **Research.** Principal research fields or projects are briefly described and a statement concerning the center's research mission may also be provided.
- [22] **Resources.** Unique equipment, facilities, or capabilities maintained by the center, including research facilities and equipment, property, and special collections.
- [23] **Databases.** Names or descriptions of the center's own electronic databases.
- [24] **Publications.** Information on types of publications published by the organization, including newsletters, annual reports, magazines, journals, and monographs.
- [25] **Educational Activities.** Academic programs sponsored by the center, including programs leading to bachelor's, master's, or doctoral degrees, and programs for continuing education, professional education, special certification, and specialized training.
- [26] **Meetings.** Conferences, colloquia, and meetings held regularly by the center.

- [27] **Scholarships.** Fellowships, grants, scholarships, internships, and other forms of financial assistance provided to students and fellows who participate in research activities. The description of the scholarship may include information on eligibility, the monetary value of the award, and the number of awards offered.
- [28] **Awards.** Lists competitive prizes awarded by the organization. The description may include the monetary value, frequency, and number of awards bestowed.
- [29] **Services.** Clinical services, consulting activities, technical assistance, and public services offered by the center.
- [30] **Library Holdings.** Lists specific types of publications maintained by the center's library, including volumes, books, journals, slides, audio tapes, and more. A library name may also be included.
- [31] **Subjects.** Lists the specific subjects or topics of the library.
- [32] **Librarian.** Lists name of the librarian, and when given, the librarian's official title.
- [33] **Alternate Contact(s).** Names of other contacts at the organization, such as other officers, alternate telephone or fax numbers. Also listed may be alternate e-mails or WWW home pages.
- [34] **Info. Officer.** Lists the name of the technology transfer officer when provided by the organization.
- [35] **Tech. Transfer Officer.** Lists the names of the technology transfer officer when provided by the organization.
- [36] **Affiliated Centers.** Listed here are research organizations that are affiliated with the center or conduct joint research projects with the center.

Indexes

IRCD contains three indexes that enable readers to locate information quickly and easily. The indexes refer to listings by entry number, not page number, and are arranged as follows:

- The **Subject Index** classifies listed research centers by their principal field or fields of research. Research activities are categorized using a list of thousands of main subject headings and cross references. Entry numbers following a subject term are arranged geographically by country.
- The **Country Index** alphabetically lists research centers first by the country in which they are located and then by the chapter in which they appear. Both English and non-English names are listed together alphabetically within the Country Index. Entry numbers are listed within stars and are bolded.
- The **Master Index** alphabetically lists all of the research units included; each center is listed by principal English name, by keywords in its English name, and by its Non-English name. The name of each research unit is followed by the name of an educational institution or government agency if the unit is an integral part of another organization, or by a country designation if the unit is independent. Centers that are an integral part of another institution are also listed under the institution's name, along with any independent or separately incorporated centers that have a formal operating agreement with the institution. The latter are designated by a star (★) before the entry number. The Master Index contains two additional categories of listings:

Names mentioned within the text of entries are cited, with a double dagger (‡) appearing before the entry numbers. These names can be former or alternate names of the listed research centers or they can be formally named projects and programs or affiliated centers.

Official acronyms and initialisms of research centers are listed alphabetically in a straightforward, letter-by-letter system; spaces and characters other than letters are ignored. Following the acronym or initialism is the research center name and affiliated educational institution, if any.

Country Abbreviations

The country abbreviations shown below are used in the **Subject Index** to indicate the country in which a center is located.

AFG	Afghanistan	GRE	Grenada	NZL	New Zealand
AJN	Azerbaijan	GRG	Georgia	OMN	Oman
ALB	Albania	GTM	Guatemala	PAK	Pakistan
ALG	Algeria	GUY	Guyana	PAN	Panama
AMA	Armenia	HKG	Hong Kong	PAR	Paraguay
ANG	Angola	HND	Honduras	PER	Peru
ARG	Argentina	HTI	Haiti	PHL	Philippines
ATG	Antigua-Barbuda	HUN	Hungary	PNG	Papua New Guinea
AUS	Australia	ICE	Iceland	POL	Poland
AUT	Austria	IDN	Indonesia	PRT	Portugal
BDI	Burundi	IND	India	QAT	Qatar
BEL	Belgium	IRL	Ireland	REU	Reunion
BEN	Benin	IRN	Iran	ROM	Romania
BFA	Burkina Faso	IRQ	Iraq	RUS	Russia
BGD	Bangladesh	ISR	Israel	RWA	Rwanda
BHR	Bahrain	ITA	Italy	SAF	South Africa, Republic of
BLR	Belarus	JAM	Jamaica	SAU	Saudi Arabia
BLZ	Belize	JOR	Jordan	SCT	Scotland
BMU	Bermuda	JPN	Japan	SDN	Sudan
BOL	Bolivia	KAZ	Kazakhstan	SEN	Senegal
BRB	Barbados	KEN	Kenya	SGP	Singapore
BRN	Brunei Daurssalam	KGA	Kirgizstan	SLC	St. Lucia
BRZ	Brazil	KOR	Korea, Republic of	SLE	Sierra Leone
BUL	Bulgaria	KWT	Kuwait	SLK	Slovakia
BWA	Botswana	LAT	Latvia	SMR	San Marino
CAF	Central African Republic	LBN	Lebanon	SPA	Spain
CAN	Canada	LBR	Liberia	SRI	Sri Lanka
CHL	Chile	LBY	Libyan Arab Jamahiriya	SUR	Surinam
CHN	China, People's Republic of	LES	Lesotho	SVA	Slovenia
CMR	Cameroon	LIE	Liechtenstein	SVT	St. Vincent
COG	Congo	LIT	Lithuania	SWE	Sweden
COL	Colombia	LUX	Luxembourg	SWI	Switzerland
COT	Cote d'Ivoire	MAL	Malta	SWZ	Swaziland
CPV	Cape Verde	MCO	Monaco	SYC	Seychelles
CRI	Costa Rica	MDG	Madagascar	SYR	Syria
CTA	Croatia	MDI	Moldova	TAH	Tahiti
CUB	Cuba	MEC	Macedonia	TDN	Tajikistan
CYP	Cyprus	MEX	Mexico	TGA	Tonga
CZE	Czech Republic	MLI	Mali	TGO	Togo
DEN	Denmark	MLT	Multinational	THA	Thailand
DMA	Dominica	MNG	Mongolia	TTO	Trinidad and Tobago
DOM	Dominican Republic	MOR	Morocco	TUK	Turkmenistan
ECU	Ecuador	MOZ	Mozambique	TUN	Tunisia
EGY	Egypt	MRT	Mauritania	TUR	Turkey
ELS	El Salvador	MTQ	Martinique	TWN	Taiwan
ENG	England	MUS	Mauritius	TZA	Tanzania
EST	Estonia	MWI	Malawi	UAE	United Arab Emirates
ETH	Ethiopia	MYA	Myanmar	UGA	Uganda
FAR	Faroe Islands	MYS	Malaysia	URE	Ukraine
FGN	French Guiana	NAM	Namibia	URY	Uruguay
FPY	French Polynesia	NAT	Netherlands Antilles	VEN	Venezuela
FIJ	Fiji	NCG	Nicaragua	VNM	Vietnam
FIN	Finland	NCL	New Caledonia	WAL	Wales
FRA	France	NER	Niger	WSA	Western Samoa
GAB	Gabon	NGA	Nigeria	YUG	Yugoslavia
GER	Germany	NIR	Northern Ireland	ZAR	Zaire
GHA	Ghana	NLD	Netherlands	ZMB	Zambia
GLP	Guadeloupe	NOR	Norway	ZWE	Zimbabwe
GRC	Greece	NPL	Nepal		

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Section 1

Agricultural, Food, and Veterinary Sciences

★1★ Abed Plant Breeding Station (Abed Planteavlstation)

39 Abedvej **Phone:** 45 5 3911028
 DK-4920 Sollested, Denmark **Fax:** 45 5 3911618
 Pernille Lethenborg, Dir.
Fnd: 1903. **Desc:** Integral unit of the Abed Foundation, Denmark. **Ann.Res.**
Budget: 4,000,000 DKr. **Staff:** 3 Research. **Fin.Sup:** Foundations, fees. **Res:**
 Plant breeding, including barley and wheat research, genetics, disease resistance, malt and bread making quality, and tissue culture. **Rsrcs:** Tissue culture, dihaploids in monocots, malting analysis, field nurseries for disease resistance.

★2★ Academy of Agriculture and Forestry Science - Potato Research and Production Institute (Institutul de Cercetare si Productie a Cartofului)

2 Fundătufii str. **Phone:** 40 68 117459
 RO-2200 Brasov, Romania **Fax:** 40 68 151508
 Dr. Constantin Draica, PhD, Dir.
Fnd: 1967. **Desc:** Integral unit of Academy of Agricultural and Forestry Science. **Staff:** 45 Research, 107 Support, 40 Technical. **Fin.Sup:** National government. **Res:** Breeding potatoes, seed potato production, and improvement of potato technology.

★3★ A.D. Gordon Agriculture and Nature Study Institute

15120 Deganya Aleph, Israel **Phone:** 972 67 50040
 S. Lulav, Dir.
Fnd: 1936. **Desc:** Integral unit of Jordan Valley Regional Council. **Staff:** 2 Research, 4 Support, 2 Other. **AKA:** Gordon House. **Res:** Local natural history, including faunistics, floristics, climatology, and archeology. **Lib. Holdings:** 60,000 Volumes. **Subjects:** Life sciences and agriculture. **Libn:** T. Loewenkopf.

★4★ Administration for Research and Development - Veterinary and Agrochemical Research Centre (Bestuur voor Onderzoek en Ontwikkeung - Centrum voor Onderzoek in Diergeneeskunde en Agrochemie)

Groeselenberg 99 **Phone:** 32 2 3754455
 B-1180 Brussels, Belgium **Fax:** 32 2 3750979
 Dr. J. Peeters, Dir.
Email: jopee@var.fgov.be
Fnd: 1924. **Desc:** Integral unit of Administration for Research and Development, Brussels. **Staff:** 40 Research. **Fin.Sup:** National government. **Formerly:** National Institute of Veterinary Research (1997). **Merged:** Chemical Research Institute (1997). **Res:** Infectious diseases in economically important domestic animals, including virology, bacteriology, parasitology, immunology and epidemiology; ecology and vacorization of secondary agricultural products. **Pubs:** Rapport d'Activité (annually in French, Dutch). **Lib. Holdings:** 10,000 Volumes. **Info.Off:** M. Stiers.

★5★ Aegean Agricultural Research Institute (Ege Tarimsal Arastirma Enstitüsü Mudurlugu)

PO Box 9 **Phone:** 90 232 8461331
 Menemen **Fax:** 90 232 8461107
 35661 Izmir, Turkey **Telex:** 8321293 aari-tr
 Mr. A. Ertug Firat, Dir.
Fnd: 1963. **Desc:** Integral unit of Ministry of Agriculture and Rural Affairs,

Ankara. **Staff:** 57 Research, 8 Technical, 91 Other. **Res:** Plant genetics resources, plant breeding, pathology, agronomy, physiology, economy, horticulture, and animal husbandry. **Pubs:** Anadolu (semiannually). **Educ:** Seminars on the collection and preservation of germplasm (annually); Training for college students; Meetings with extension services (monthly); National crop project activities, including plant genetic resources, potatoes, tobaccos and medicinal plants; Bee research countrywide. **Lib. Holdings:** 4,500 Volumes. **Info.Off:** Mijmtaz Eraslan.

★6★ AgResearch - Canterbury Agricultural and Science Centre

Ellesmere Junction Rd. **Phone:** 64 3 3256900
 PO Box 60 **Fax:** 64 3 3252946
 Lincoln, New Zealand
 Dr. Wynn B. Ingram, Gen.Mgr.
Email: pauwelsf@agresearch.cri.nz
WWW: <http://www.agresearch.cri.nz/>
Fnd: 1992. **Desc:** Integral unit of the New Zealand Pastoral Agriculture Research Institute Ltd. (AgResearch). **Ann.Res.Budget:** NZ\$5,000,000. **Ann. Rev:** NZ\$7,000,000. **Fin.Sup:** Parent institution, foundations, industry, businesses, contracts, sales income. **AKA:** AgResearch Lincoln. **Res:** Sustainable dryland systems, pasture species evolution, sheep management, meat and wool quality, plant improvement and forage seeds, vertebrate pest management, organic production, and biological control of pests, diseases, and weeds. **Pers:** Dr. Gavin Sheath.

★7★ AgResearch - Flock House Agricultural Centre

Parewanui Rd. **Phone:** 64 6 3221300
 Private Bag 1900 **Fax:** 64 6 3221954
 Bulls, New Zealand
 Grant Lomer, Mgr.
Fnd: 1924. **Desc:** Integral unit of New Zealand Pastoral Agriculture Research Institute Ltd., (AgResearch). **Staff:** 13 Research, 9 Support, 4 Other. **Res:** Legume and environmental agronomy, genetics, fiber biology of sheep, fiber and meat production from goats, and the management of deer, milking sheep, thoroughbred horses, heavy-weight cattle, factors affecting yellow fat in cattle, and drench resistance in sheep involving management to minimize larval intake.

★8★ AgResearch - Invermay Agricultural Centre

Private Bag 50034 **Phone:** 64 3 4893809
 Mosgiel, New Zealand **Fax:** 64 3 4893739
 Dr. Peter Fennessy, Gen.Mgr.
Email: fennessyp@agresearch.cri.nz
WWW: <http://www.agresearch.cri.nz/>
Fnd: 1949. **Desc:** Integral unit of and headquarters to Sheep and Deer Division of New Zealand Pastoral Agriculture Research Institute Ltd. (AgResearch). **Ann.Res.Budget:** NZ\$15,000,000. **Ann.Rev:** NZ\$20,000,000. **Staff:** 46 Research, 27 Support, 58 Technical. **Fin.Sup:** Parent institution. **Res:** Management, nutrition, and reproductive physiology of sheep and deer; small programs in alpaca; wool fiber production; soil and plant chemistry; pasture agronomy and management. **Rsrcs:** SheepMap (web address) **Pubs:** AgResearch annual reports, etc. **Scholarships:** PhD fellowships. **Lib. Holdings:** 28,500 Volumes. **Subjects:** Agriculture and veterinary science. **Libn:** S.E. Weddell. **Info.Off:** Claire Grant, Journalist; Nick Round-Turner.

★9★ AgResearch - Keri Keri Research Station

PO Box 23 Phone: 64 9 4076942
 KeriKeri, New Zealand Fax: 64 9 4076945
 Mr. B.M. Cooper, Chf.Off.
Fnd: 1955. **Desc:** Integral unit of AgResearch, the New Zealand Pastoral Agriculture Research Institute Ltd. **Staff:** 2 Technical, 1 Other. **Fin.Sup:** Parent institution. **Res:** Pastoral agriculture in warm temperate environments, including pasture plant breeding, nutrition and management, and livestock management systems.

★10★ AgResearch - Ruakura Agricultural Research Centre

Private Bag 3123 Phone: 64 7 8562836
 Hamilton, New Zealand Fax: 64 7 8385658
 P.V. Rattray, Gen.Mgr.
Email: mcnamarab@agresearch.cri.nz/
WWW: http://intranet.agresearch.cri.nz/
Fnd: 1938. **Desc:** Integral unit of the New Zealand Pastoral Agriculture Research Institute Ltd., (AgResearch). **Ann.Res.Budget:** NZ\$30,000,000. **Ann. Rev:** NZ\$30,000,000. **Staff:** 103 Research, 52 Support, 219 Technical, 107 Other. **Fin.Sup:** Parent institution. **Res:** Biotechnology, focusing on animal genetics, reproductive physiology, fertility, management, and nutrition; soil and plant microbiology and soil fertility; insect control; and weed control, including animal breeding, nutrition, reproduction, animal behavior, grazing management, diseases, meat science and biotechnology. **Rsres:** Sperm motility analyzer. **Pubs:** Ruakura Farmers Conference Proceedings (annually). **Educ:** Ruakura Farmers Conference (annually). **Lib. Holdings:** 90,000 Volumes. **Libn:** Jacki Broughan. **Info.Off:** Ian Anthony. **Tech.Trans.Off:** Kerry Paul.

★11★ AgResearch - Tara Hills High Country Research Station

Rural Bag 19 Phone: 64 3 4389830
 Omarama Fax: 64 3 4389634
 North Otago, New Zealand
 Dr. T. Harrison, Dir.
Fnd: 1947. **Desc:** Integral unit of AgResearch, Invermay Agricultural Centre at Mosgiel. **Staff:** 1 Research, 1 Technical, 3 Other. **Fin.Sup:** Parent institution. **Res:** Planning, establishment, and management of oversown and direct drilled dryland pastures; animal fibre research, particularly Merino wool, superfine Merino wool; and evaluation of new plant material for forage and horticultural use; identifying sustainable high country agricultural systems. **Pers:** T. Harrison.

★12★ AgResearch - Wallaceville Animal Research Centre

PO Box 40 063 Phone: 64 4 5286089
 Upper Hutt, New Zealand Fax: 64 4 5281380
 Dr. Paul Atkinson, Gen.Mgr.
Email: tenquistj@agresearch.cri.nz
WWW: http://www.agresearch.cri.nz/www/docs/anhe.html
Fnd: 1905. **Desc:** Integral unit of New Zealand Pastoral Agriculture Research Institute Ltd. (AgResearch) as the Animal Health Division. **Staff:** 30 Research, 3 Support, 67 Technical, 35 Other. **Fin.Sup:** Parent institution. **Res:** Concentrated on research and technology development relating to animal diagnostics and vaccines which enhance rapid identification and control of diseases and animal productivity. Key research areas include: vaccines for bovine and human tuberculosis; a vaccine for Johne's disease; selective 'designer' drugs and selective breeding of animals resistant to nematode infestation; efficiency and sustainability of farm animal reproduction and control of the reproductive activity of pest animals; integrated pest management systems to control myiasis in sheep; genomic libraries; advanced modelling projects; broadband technologies; and commercial development of products developed by the research teams. **Rsres:** Maintains NMR spectroscopy, high-level laboratory animal containment facilities, extensive farms, and large animal handling facilities. **Pubs:** Annual Report. **Lib:** Reference Collection. **Subjects:** Veterinary science, biochemistry, immunology, microbiology, parasitology, reproductive biology, and pathology. **Libn:** Carole Devine. **Pers:** John Tenquist, PR Mgr.; Pam Coulson.

★13★ AgResearch - Winchmore Research Station

Private Bag 803 Phone: 64 3302 4809
 Ashburton, New Zealand Fax: 64 3302 4809
 Ray Moss, Dir.
Fnd: 1949. **Desc:** Integral unit of New Zealand Pastoral Agriculture Research Institute Ltd. (AgResearch). **Fin.Sup:** Parent institution. **Res:** Irrigation related to farming, including water distribution and requirements, fertilizer, pasture and crop management, sheep husbandry, organic production, and fallow and red deer production. **Pubs:** Technical Reports (occasionally); Miscellaneous Publications (occasionally); Guide Sections. **Lib. Holdings:** 1,000 Volumes. **Subjects:** Irrigation, soils, animal science, and agriculture.

★14★ AgResearch - Woodlands Research Station

RD 1 Phone: 64 3 2313033
 Invercarill, New Zealand Fax: 64 3 2313012
 Mr. K. Knowler, Oper.Mgr.
Fnd: 1969. **Desc:** Integral unit of New Zealand Pastoral Agriculture Research Institute Ltd. (AgResearch), and is administered by the AgResearch, Invermay Agricultural Centre. **Staff:** 4 Technical, 4 Other. **Fin.Sup:** Parent institution. **Res:** Sheep breeding, pasture and crop agronomy, and fertilizers, including sheep nutrition, and genetic studies of different sheep breeds. **Rsres:** Maintains 248 hectares for intensive farming research and 2160 breeding ewes, 1220 ewe hoggets, 700 ram hoggets, 180 rams, and a herd of 120 deer. **Educ:** Seminars. **Lib:** Reference Collection. **Libn:** S. Weddell.

★15★ Agricultural and Forest Research Center (Centro di Sperimentazione Agricola e Forestale (CSAF))

PO Box 9079 Phone: 39 6 6960241
 00100 Rome, Italy Fax: 39 6 6963703
 Dr. Gianfranco Lapietra, Dir. Telex: 630404 SAFSPAI
Fnd: 1953. **Desc:** Integral unit of Società Agricola e Forestale. **Staff:** 32 Research, 9 Support, 34 Technical, 103 Other. **Res:** Forestry, including studies in silviculture and arboriculture, tree improvement, nursery techniques, plant protection, wood quality, site investigations, forest inventory, harvesting, and economics. **Lib. Holdings:** 30,000 Volumes. **Libn:** Dr. Pietro R. Venanzetti.

★16★ Agricultural Biotechnology Center - Institute for Animal Sciences

PO Box 411 Phone: 36 28 330 617
 H-2101 Budapest, Hungary Fax: 36 28 330 647
 Dr. László Solti, PhD, Dir.
Email: solti@abc.hu
WWW: http://www.abc.hu/institutes/animal/
Desc: Integral unit of Agricultural Biotechnology Center. **Res:** Diagnosis of the health or reproductive status of farm animals, and mammalian embryos with special reference to their routine production in vitro as well as their manipulation. **Pers:** Katalin Oláh, Sec.

★17★ Agricultural Economics Research Institute (Landbouw-Economisch Instituut (LEI-DLO))

Postbus 29703 Phone: 31 70 3308330
 2502 LS The Hague, Netherlands Fax: 31 70 3615624
 Prof. L.C. Zachariasse, Dir.
Email: postkamer@lei.dlo.nl
Fnd: 1940. **Desc:** Integral unit of Ministry of Agriculture, Nature Management and Fisheries. **Staff:** 90 Research, 85 Support, 100 Other. **Res:** Economics of agriculture, horticulture, fisheries, and forestry in The Netherlands. **Pubs:** Agricultural Economic Report (annually); Agricultural Data (annually); Periodieke Rapportages; LEIDRAAD abstract bulletin (bimonthly). **Lib. Holdings:** 30,000 Volumes. **Libn:** S. Hogendorf.

★18★ Agricultural Engineering Institute (Institut für Landtechnik)

Nussallee 5 Phone: 49 228 732395
 53115 Bonn, Germany Fax: 49 228 732596
 Prof.Dr. Karl-Hans Kromer, Dir. Telex: 886280Libod
Email: kromer@uni-bonn.de
WWW: http://www.rhrz.uni-bonn.de/~ulp804/index.html
Fnd: 1872. **Desc:** Integral unit of Rheinische Friedrich Wilhelms Universität. **Staff:** 22 Research, 18 Other. **Fin.Sup:** Parent institution, foundations, industry, contracts, local government, national government. **Res:** Agricultural engineering, including studies on physical properties and mechanization of field production of food, sugar beets and fiber, household engineering, and environmental engineering. **Rsres:** Machine shop, physical properties laboratory, optical laboratory, and PC laboratory. **Pubs:** Aus Den Wissenschaftlichen Arbeiten Des Instituts Fuer Landtechnik (quadrennially in German, English, Russian). **Lib:** Reference Collection. **Info.Off:** Dr. Damerow. **Pers:** Lars Heier; Martin Thelen.

★19★ Agricultural Environmental Science Division

DANI Phone: 44 232 661166
 Newforge Ln. Fax: 44 232 662007
 Belfast, Belfast BT9 5PX, Northern Ireland
 Dr. S. Ivan Heaney, Co-Dir.
Email: i.heaney@qub.ac.uk
Fnd: 1989. **Desc:** Integral unit of Queen's University of Belfast. **Staff:** 29 Research, 95 Support, 42 Other. **Formerly:** Aquatic Sciences Research Division (1994). **Res:** Marine and freshwater fisheries, limnology and

oceanography, agro-environmental science. **Rsres:** Maintains a marine research vessel, the "Lough Foyle."

★20★ **Agricultural Experiment Station**

Public Authority for Agriculture Affairs and

Fish Resources

PO Box 21422

Safat 13075, Kuwait

Fahad Abullah Al Hasawi, Dir.Gen.

Fnd: 1953. **Desc:** Integral unit of Public Authority for Agriculture Affairs and Fish Resources. **Res:** Agriculture, including studies on arid zones, soil conservation and irrigation, animal husbandry, plant protection, vegetable production, fisheries, and animal health. **Lib:** Reference Collection. **Alt:** **Contact:** Phone: 965 4761117, Fax: 965 4765551.

Phone: 965 4761116

Fax: 965 4739148

Telex: 30072

★21★ **Agricultural Extension and Research Liaison Services (AERLS)**

Ahmadu Bello University

Private Mail Bag 1044

Samaru, Kaduna, Nigeria

Dr. Ndanusa Mijindadi, Actg.Dir.

Fnd: 1963. **Desc:** AERLS is affiliated with Ahmadu Bello University and the Federal Ministry of Science and Technology, Lagos. **Staff:** 50 Research, 18 Support, 30 Technical, 100 Other. **Res:** AERLS is responsible for assisting the northern states of Nigeria in their agricultural extension programs. Functions include: interpreting, publishing, and disseminating to farmers research results in agriculture and related disciplines, including animal husbandry, home economics, agricultural economics, and rural sociology; identifying problem areas needing research and communicating these to the appropriate research institutions; serving as an information center on agriculture for industries, banks, and other organizations; offering training sessions, courses, and workshops for extension staff members; providing advisory and consultation services in research-related fields, including pests and disease control, locust control, and irrigation studies; assisting states in organizing and conducting agricultural shows; assisting in the organization of states' extension demonstration units and in personnel training for the preparation and utilization of audio-visual aids; conducting applied research as needed; organizing seminars and conferences for the solution of common problems; overseeing the National Center for Sorghum, Millet and Wheat Production; and coordinating related programs in the ten northern states of Nigeria. Fields of research interest include agricultural engineering, agronomy, animal production, extension economics, home economics, forestry, horticulture, irrigation agronomy, irrigation engineering, poultry, plant protection, rural youth, soil conservation, and veterinary medicine. **Pubs:** Nigerian Journal of Agriculture Extension (biennially); Newsletter; Issues bulletins. **Educ:** Seminars; Conferences; Workshops (annual-ly); Training programs.

Phone: 234 69 51868

★22★ **Agricultural Extension and Rural Development Research Institute (AERDRI)**

8 Gamua St.

Agricultural Research Center

Giza, Egypt

Prof.Dr. Mohamed Shafie Sallam, Dir.

Fnd: 1977. **Desc:** Integral unit of Agricultural Research Center (ARC). **Staff:** 43 Research, 51 Support, 50 Technical, 60 Other. **Res:** Agricultural extension as part of rural community development. **Lib:** Holdings: 1,200 Volumes. **Libn:** Mohamed Abdel Monsef Abdel Rahman.

Phone: 20 2 5716301

Fax: 20 2 5716303

★23★ **Agricultural Institute of Slovenia (Kmetijski Inštitut Slovenije)**

PO Box 53

Hacquetova 2

61000 Ljubljana, Slovenia

Slavko Gliha, Dir.

Email: joze.hanc@uni-lj.si

Fnd: 1898. **Staff:** 52 Research, 28 Technical, 43 Other. **Res:** Crop farming and horticulture, fruit growing, viticulture, plant protection, animal breeding, agricultural mechanization, agricultural economics, enology, and chemical analysis. **Pubs:** Raziskave in študije (quarterly in Slovene, English). **Lib:** Holdings: 24,950 Volumes, 6,149 Journals. **Libn:** Lili Marinček.

Phone: 386 61 323064

Fax: 386 61 323057

★24★ **Agricultural Machinery Research Center**

Faculty of Agric. Engg.

Technion-Israel Inst. of Tech.

Technion City

32000 Haifa, Israel

Prof. Dan Zaslavsky, Dir.

Fnd: 1953. **Desc:** Integral unit of Walter C. Lowdermilk Faculty of Agricultural Engineering at Technion-Israel Institute of Technology. **Res:** Laboratory simulations of soil compaction and processing; precision spraying for row and plantation crops; electrostatic spraying; hydrostatic drive of tractors; use of sensors to characterize soil dynamic behavior; electrostatic and aerodynamic gathering of pollen; various aspects of pipe-soil interaction; influence of heat load on animals; methods of resisting frost and its effects on crops; compaction of refuse; cotton harvesting; shrub crushing operations; methods of mechanical gathering of sesame; simulations of vehicle suspension; examination methods of soil strength resistance to pressure and cutting; height control sensors of agricultural implements; methods of dynamic examination of tires; developing of rapid hole digger for trees; characterization of soil processing machines; methods and equipment of marine pisciculture in floating cages; methods of granular fertilizer placement in rows; burying of crop residues in the soil for pest control; baling municipal wastes; produce damage simulation-detection in sorting; packaging, transportation and shelf-life of fresh produce; frequency response and energy dissipation as indices of firmness and maturity; and multi-sensor adaptive inspection and classification of fruits and vegetables. **Educ:** Seminars for all interested persons (weekly).

Phone: 972 4 292746

Fax: 972 4 221529

★25★ **Agricultural Panamerican School - Centre for Apiculture (Escuela Agrícola Panamericana - Sección de Apicultura)**

Apdo 93

Tegucigalpa, DC, Honduras

Dr. Simon E. Malo, Dir.

Email: eaport@ns.hondunet.net

Fnd: 1982. **Desc:** Integral unit of Agricultural Panamerican School. **Ann.Res.** Budget: 4,132 Lp. **Ann.Rev:** 14,733 Lp. **Staff:** 1 Research, 1 Technical. **Fin.** Sup: Parent institution, industry, foundations, individual gifts, sales income, national government, local government, state government. **Res:** Apiculture.

Phone: 504 766140

Fax: 504 768245

Telex: 311567

★26★ **Agricultural Research and Extension Trust (ARET)**

p/Bag 9

Lilongwe, Malawi

Dr. J.T.K. Munthali, Dir.

Fnd: 1995. **Desc:** Private trust under the Tobacco Association of Malawi (TAMA). **Res:** Agriculture, including tobacco research, agricultural diversification, forestry extension, farm management, extension, land husbandry and water conservation, agricultural engineering, soil chemistry, and plant protection.

Phone: 265 720668

Fax: 265 783493

★27★ **Agricultural Research and Rural Extension Service (Empresa de Pesquisa Agropecuária e de Extensão Rural de Santa Catarina (EPAGRI))**

Rodovia Admar Gonzaga, 1347

Itacorubi Caixa Postal 502

88034-901 Florianópolis, Santa Catarina,

Brazil

Rogério Mendonça, Dir.

Email: webmaster@epagri.rct-sc.br

WWW: http://www.epagri.rct-sc.br

Fnd: 1991. **Desc:** Integral unit of the Government of the State of Santa Catarina, Brasil. **Ann.Res.Budget:** US\$8,000,000. **Ann.Rev:** US\$2,500,000. **Staff:** 151 Research, 192 Technical, 354 Engineering, 5 Legal, 476 Administrative, 333 Graduate, 297 Undergraduate, 539 Support. **Fin.Sup:** Parent institution, foundations, contracts, dues, fees, state government, local government, national government. **Res:** Agricultural and rural issues in Santa Catarina. **Info.Off:** Sadi Sérgio Grimm, PhD, Hd., Planning Dept. **Tech.Trans.Off:** Hugo José Braga, PhD, Tech.Dir.

Phone: 55 048 2341344

Fax: 55 048 2341024

Telex: 048 2242

★28★ **Agricultural Research and Testing Institute**

(Landwirtschaftliche Untersuchungs- und Forschungsanstalt)

Obere Langgasse 40

67346 Speyer, Germany

Prof.Dr. Rudolf Aldag, Dir.

Fnd: 1875. **Staff:** 10 Research, 7 Support, 37 Technical, 32 Other. **Res:** Testing of feedstuffs, seeds, and fertilizers; analysis of soils, composts, and sewage sludge; experiments in plant nutrition; monitoring of radioactivity of soils and plants; analysis of pesticide residue and organic pollutants; and development and standardization of methods for chemical, biological, and microbiological testing.

Phone: 49 6232 136-0

Fax: 49 6232 136-110