

IPI celebrates its
60 Anniversary



INTERNATIONAL
POTASH INSTITUTE

60 ANNIVERSARY 1952-2012



IPI OBJECTIVES IN 1952

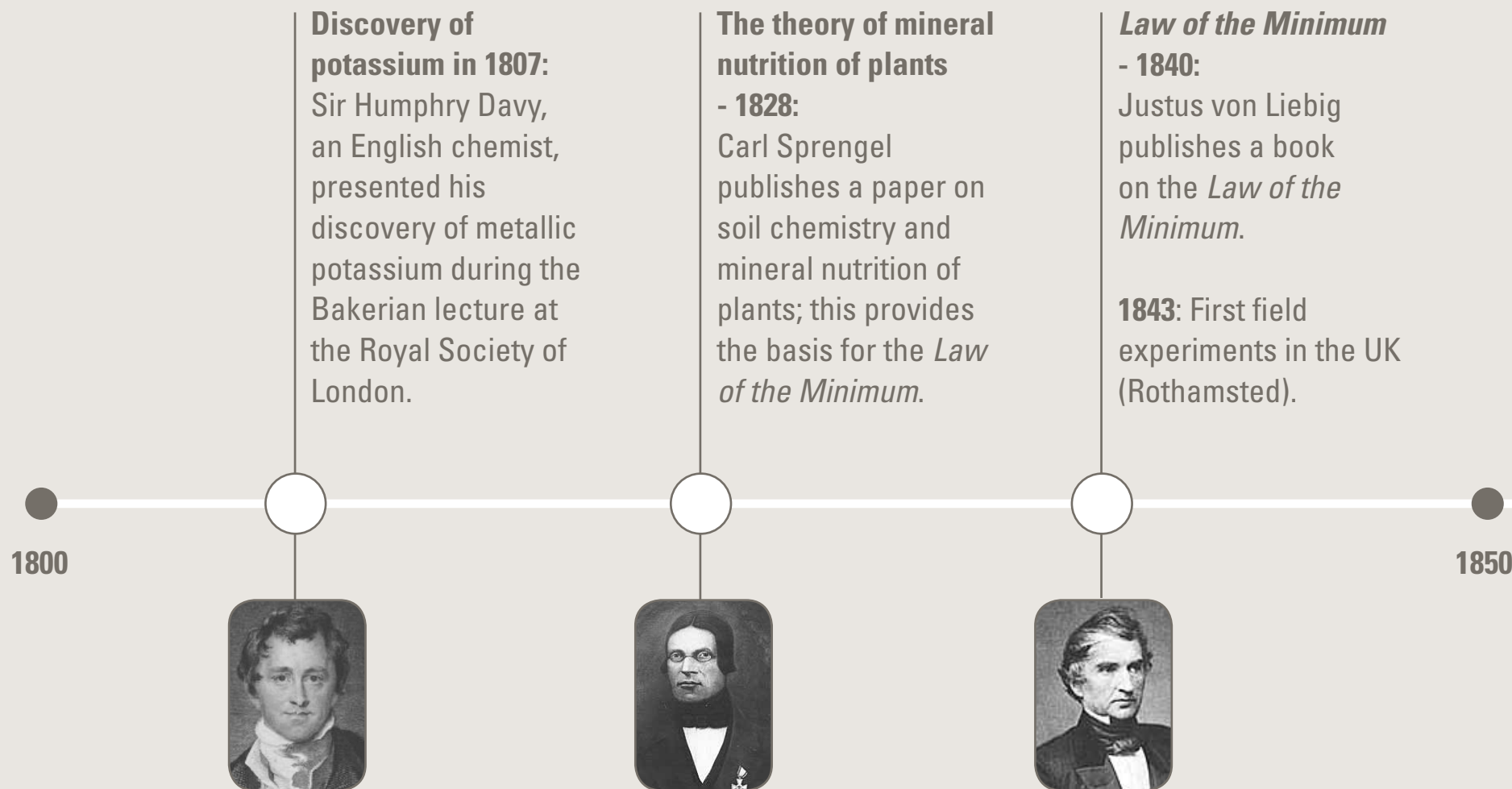
To foster the application of scientific and practical methods for the amelioration of the soil in general and the use of fertilizers, especially potash

The Institute pursues its aims:

- by delegating experts for studies concerning the improvement of soil fertility
- by compiling scientific documentation on soil fertility and fertilizer requirements
- by contributing to laboratory and field-based research centres
- through technical and scientific cooperation with all organizations concerned with soil fertility and fertilizer use.

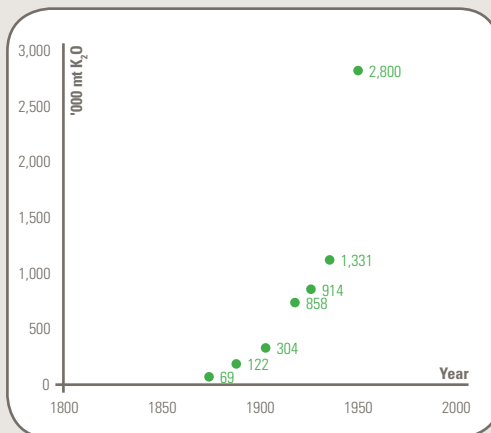


POTASH TIMELINE



POTASH TIMELINE

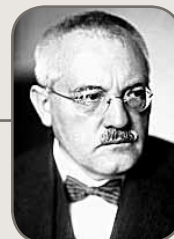
1880: First sales of potash in Germany.



1880

1900

1907: Invention of the conversion process N_2 to NH_3 (Fritz Haber and Carl Bosch).



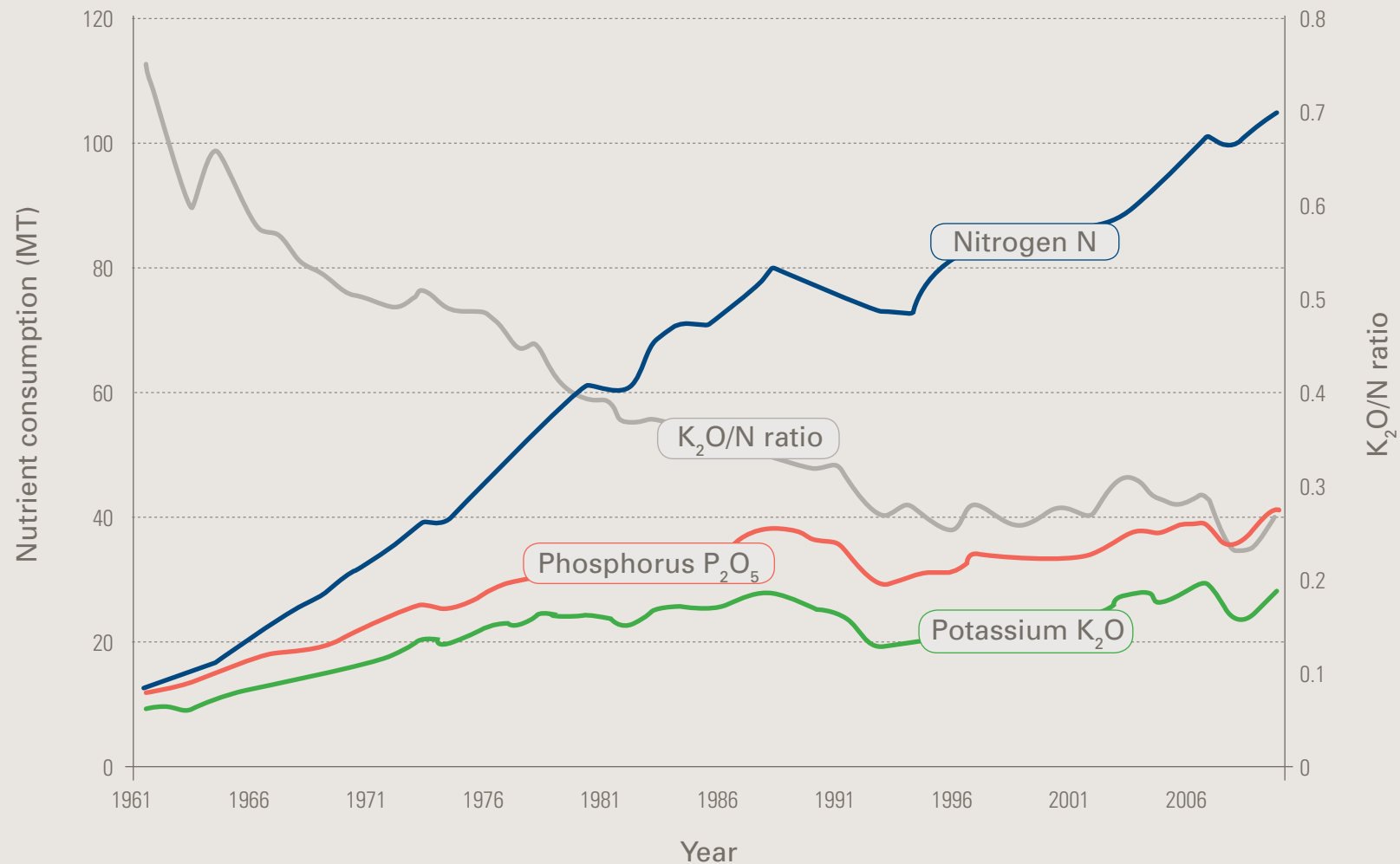
1914-2009: Norman Borlaug (centre): Father of the Green Revolution meets Adolf Krauss, IPI (right) and Terry Roberts, PPI-PPIC (left).



1920

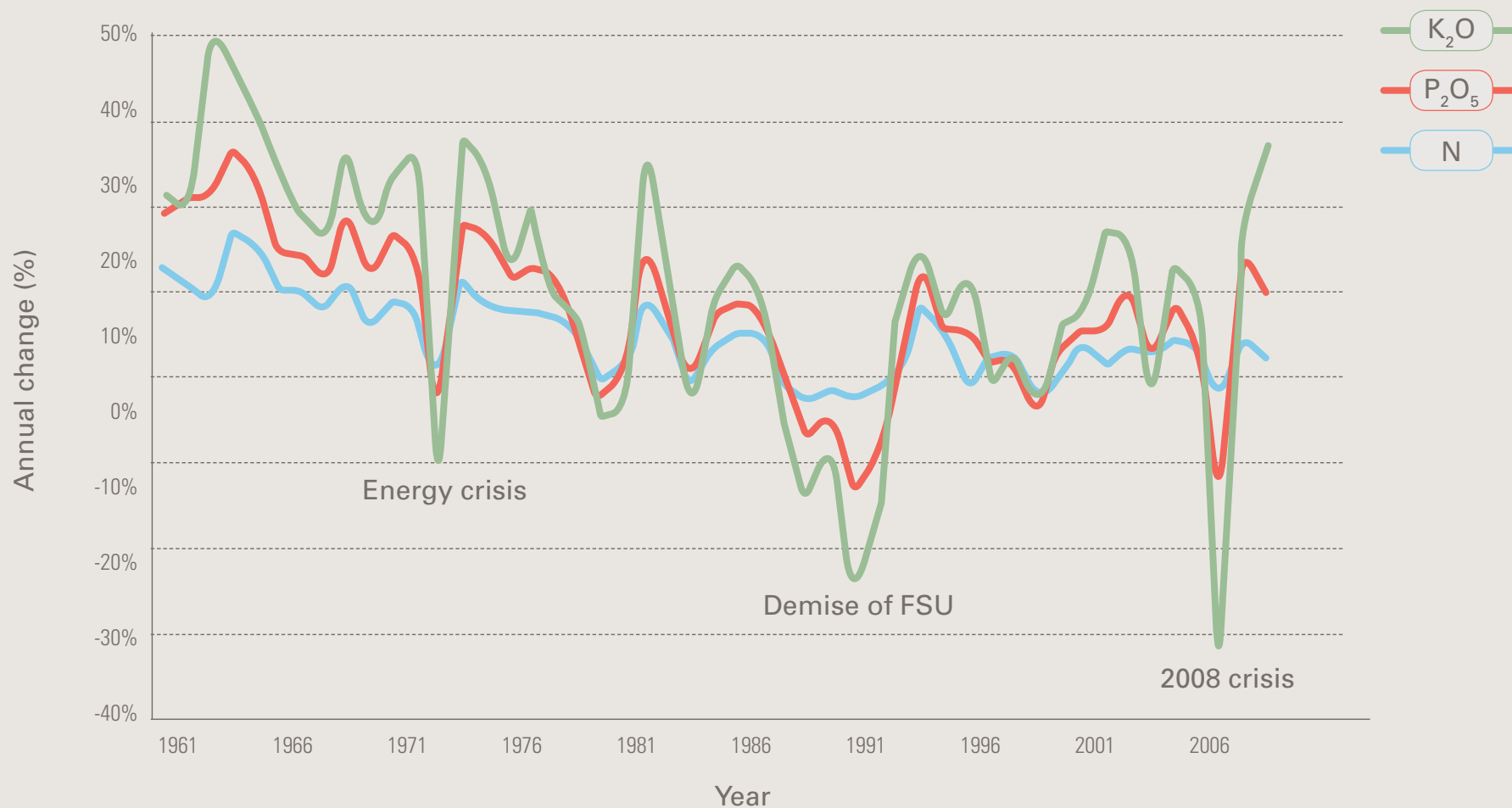
Source: Cowie, G.A. 1951.

GLOBAL NUTRIENT CONSUMPTION



ANNUAL CHANGE IN **NUTRIENT CONSUMPTION**

INTERNATIONAL
POTASH INSTITUTE



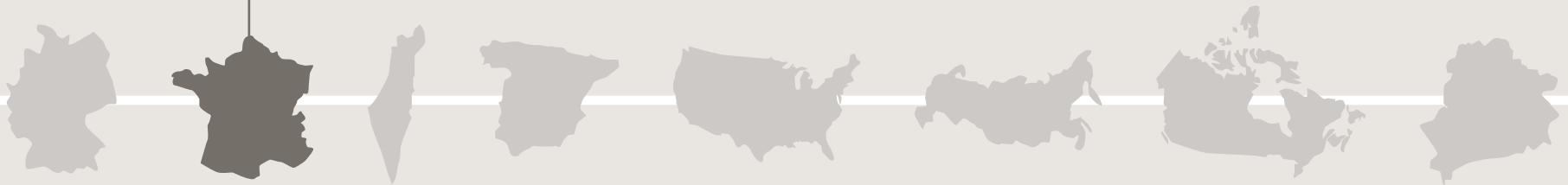
EXPLORATIONS AND DISCOVERIES

1856: Discovery of
potash-bearing salts in
Staßfurt, Germany.



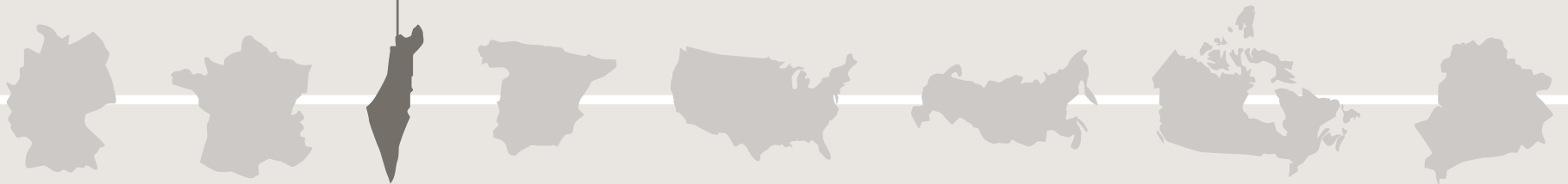
EXPLORATIONS AND DISCOVERIES

1904: Potash
discovered in
Alsace, France.



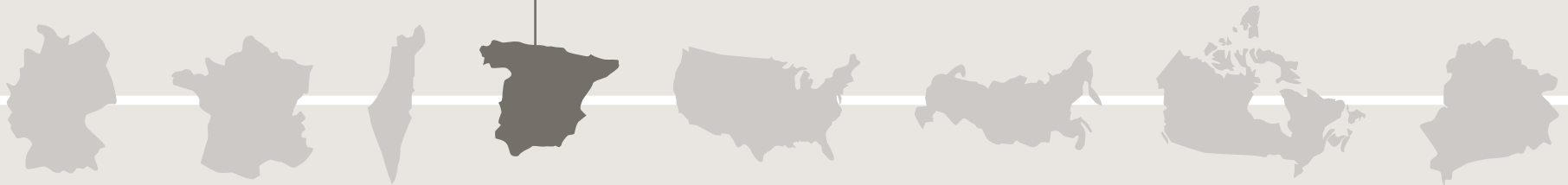
EXPLORATIONS AND DISCOVERIES

1911: Moshe Novomeysky
(Russian mining engineer)
visits **Palestine** and
realizes the potential of
the **Dead Sea** for mineral
extraction with the help of
solar energy.



EXPLORATIONS AND DISCOVERIES

1912: Discovery of
potash in **Súria,**
Barcelona, Spain.



EXPLORATIONS AND DISCOVERIES

1920: Potash deposits
were discovered in
California, Nevada
and **New Mexico,**
USA.



EXPLORATIONS AND DISCOVERIES

1925: Prospectors headed by Professor Pavel Preobrazhensky discovered the Verkhnekamskoe potash-magnesium salt deposit in the **Perm region, Russia.**

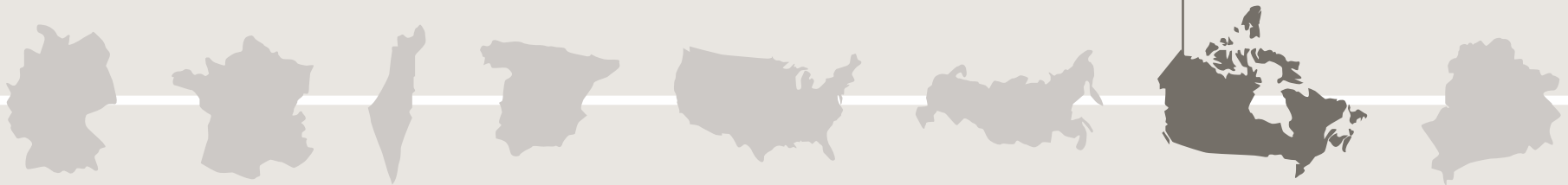


EXPLORATIONS AND DISCOVERIES

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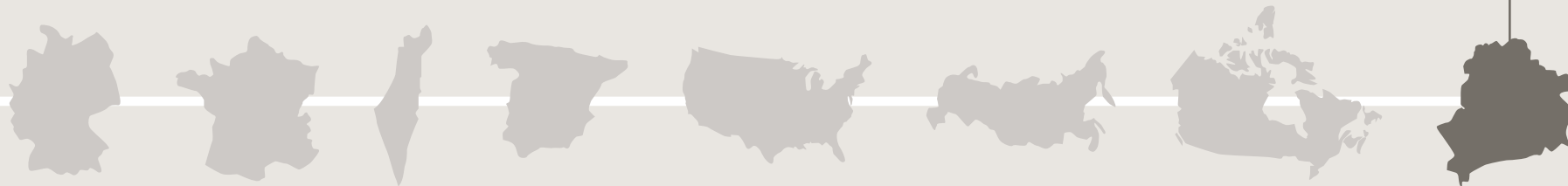


1943: Potash
discovered in
Saskatchewan,
Canada.



EXPLORATIONS AND DISCOVERIES

1949: Starobin
deposit of
potash salts
discovered in
Belarus.



FIRST POTASH PRODUCTION SITES

1873

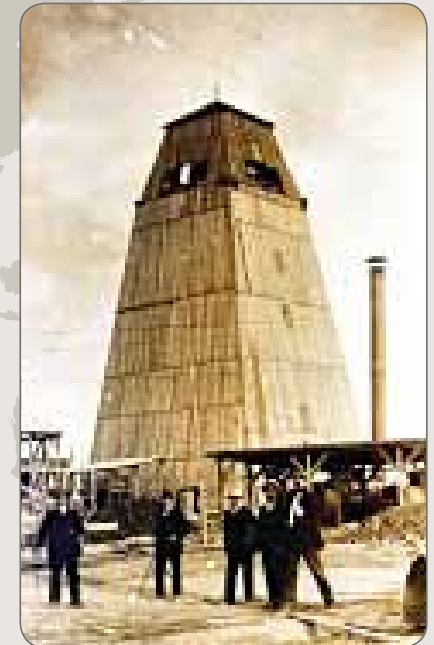
The **German** trade union
Douglasshall opened the
first privately operated
potash plant in the
world.



FIRST POTASH PRODUCTION SITES

1909

First mining shaft
completed in
Alsace, France.



FIRST POTASH PRODUCTION SITES

1930

The Palestine Potash Company Ltd. is established; first plant on the north shore of the **Dead Sea** in **Kalia, Israel**. Production of potash starts 1932.



FIRST POTASH PRODUCTION SITES

1934

The first potash mining complex was launched in **Solikamsk, Perm region, Russia.**



FIRST POTASH PRODUCTION SITES

1958

The first **Soligorsk** potash group of enterprises is established in **Belarus**.



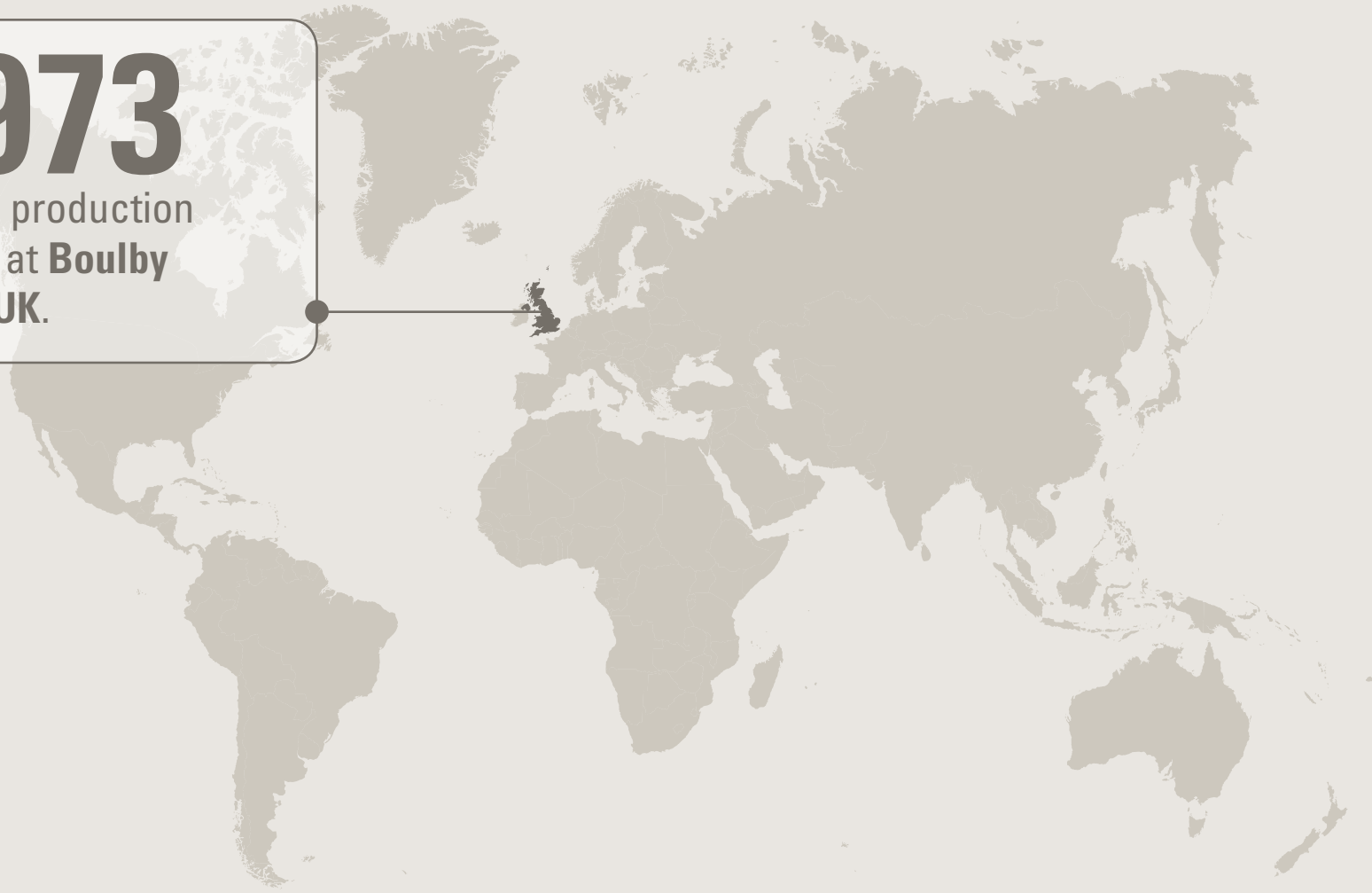
FIRST POTASH PRODUCTION SITES

INTERNATIONAL
POTASH INSTITUTE



1973

Potash production
begins at **Boulby
Mine, UK.**



IPI TIMELINE

1950

11 October, 1952:
Foundation of the
International Potash
Institute (IPI) by the
German and French
potash industries in
Berne, Switzerland.



1953: A Scientific
Board is established
with scientists
from 16 European
countries to
provide IPI with
the necessary
technical experience.



Dr. T. Walsh Dublin,
Eire Member of
the Scientific Board
since 1953

1954: The first
IPI congress on
*Potassium in the Soil
and in Living
Organisms* in Zurich.



IPI TIMELINE

1957: Dead Sea Works (DSW) joins IPI, followed later by producers in Spain, UK, GDR, USSR and Jordan.



1960

1957-1962: IPI launches its most comprehensive mission (POTAScheme) in Bangalore, India, with both expatriates and a large number of local staff.



1970s-80s: Missions to Turkey, Southeast Asia, Mediterranean, Latin America, Africa, Japan, South Korea and Taiwan are established.

1990

1991: IPI closes Berne office and moves to Basel.



2000

IPI TIMELINE

2002: IPI celebrates its 50th Golden Jubilee anniversary in Basel.

Golden Jubilee Congress
"Feed the Soil to Feed the
People: The Role of Potash in
Sustainable Agriculture"

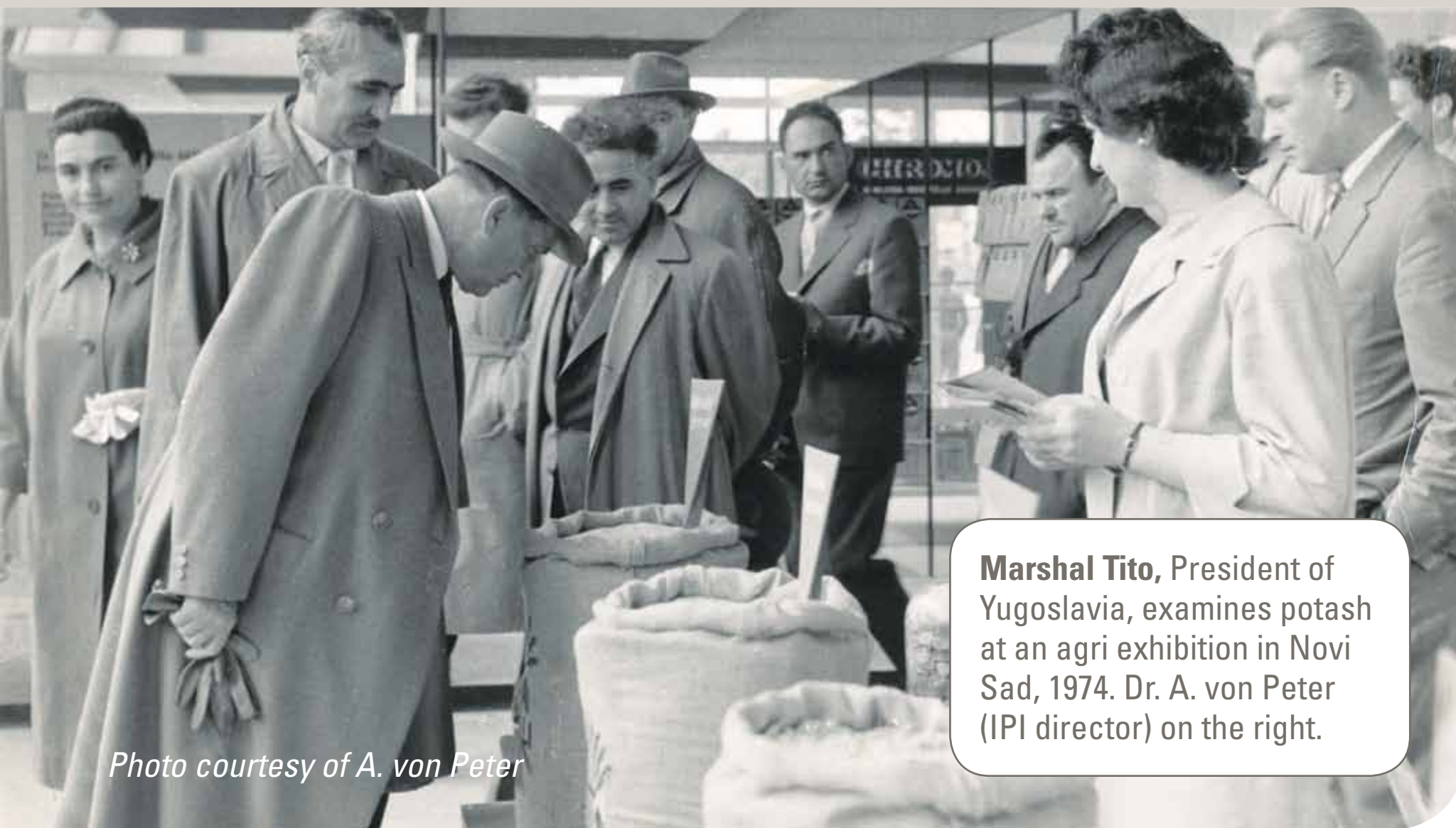
21st Century: Activities are conducted in Asia, Latin America, sub-Saharan and North Africa, Central and Eastern Europe.

Founding and veteran members of IPI continue their support of the Institute.



2012

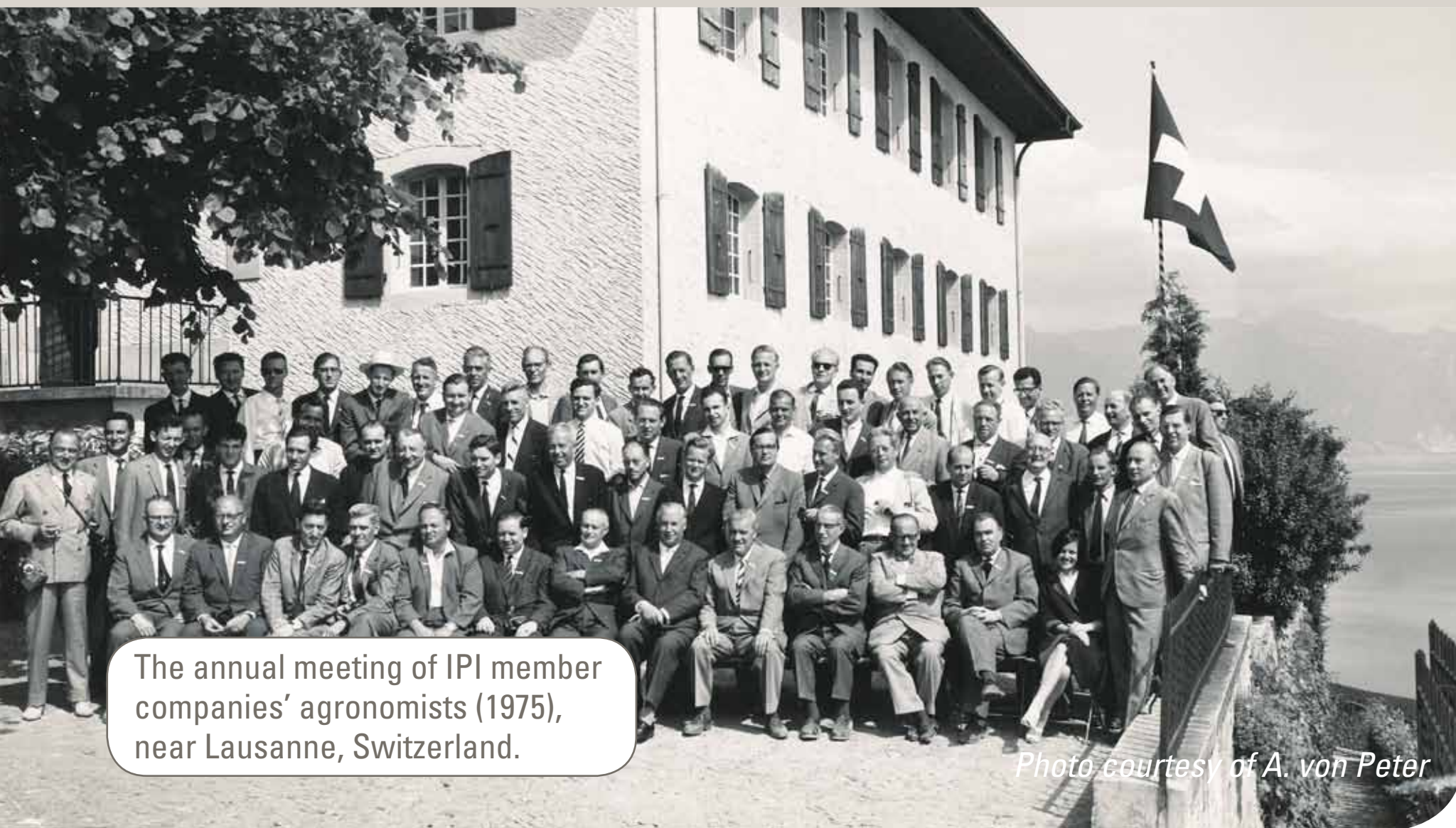
MOMENTS OF HISTORY



Marshal Tito, President of Yugoslavia, examines potash at an agri exhibition in Novi Sad, 1974. Dr. A. von Peter (IPI director) on the right.

Photo courtesy of A. von Peter

MOMENTS OF HISTORY



The annual meeting of IPI member companies' agronomists (1975), near Lausanne, Switzerland.

Photo courtesy of A. von Peter

SCIENTIFIC COMMITTEE 1953-1967



Dr. T. Walsh
Dublin, **Eire**
Member since 1953



Prof. Dr. I. Arnon
Rehovot, **Israel**
Member since 1959



Director A. D. Kolbed
Askov pr. Vejen, **Denmark**
Member since 1963



Prof. Dr. H. Laudelout
Louvain-la-Neuve, **Belgium**
Member since 1963



Dr. G. W. Cooke
London, **Great Britain**
Member since 1962



Prof. Dr. R. Bach
Zurich, **Switzerland**
Member since 1963



G. Drouineau, Honorary director
of research, Paris, **France**
Member since 1967



Prof. Dr. S. L. Jansson
Uppsala, **Sweden**
Member since 1967

SCIENTIFIC COMMITTEE 1967-1977



Prof. Dr. Dj. B. Jeleni
Belgrade, **Yugoslavia**
Member since 1967



Prof. Dr. A. Malquori
Florence, **Italy**
Member since 1967



Prof. Dr. O. Steineck
Vienna, **Austria**
Member since 1969



Prof. Dr. A. van Diest
Wageningen, the **Netherlands**
Member since 1977



Prof. P. Quintanilla Rejado
Madrid, **Spain**
Member since 1969



Prof. Dr. D. Schroeder
Kiel, Fed. Rep. of **Germany**
Member since 1969



Prof. Dr. H. Beringer
Hannover, Fed. Rep. of **Germany**
Scientific Sec. of the Board



Director G. de Beaucorps
Paris, **France**
Scientific Sec. of the Board

FIELD EXPERIMENTS



Large scale demo plots in wheat, **China**



Field experiment in banana, **Sri Lanka**



Field experiment in fertigated strawberry, **Argentina**



Field experiment in ginger, **Bangladesh**

FIELD EXPERIMENTS



Field experiment in pulses, Uttar Pradesh, **India**



Field experiment in maize, the **Czech Republic**



Field experiment in cassava, East Java, **Indonesia**



Field experiment in olives, **Tunisia**



Field experiment in rice, the Nile delta, **Egypt**



Field experiment in maize, **Mozambique**

FARMERS' DAYS AND WORKSHOPS



Farmers' day in **Sri Lanka**



Workshop in **Brazil**



Farmers' day in **Bulgaria**



Seminar in **Brazil**



Farmers' day in **China**

FARMERS' DAYS AND WORKSHOPS



Farmers' day in **India**



Farmers' day in **Egypt**



Workshop in **Turkey**



Farmers' day in **Brazil**

SUPPORTING GLOBAL RESEARCH



Cooperation with IFDC in sub-Saharan **Africa**: the MIM project in **Mozambique**



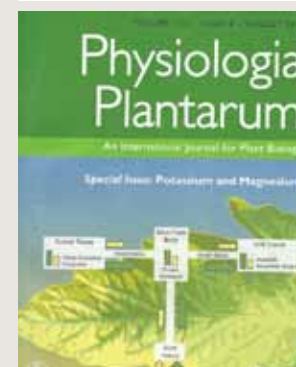
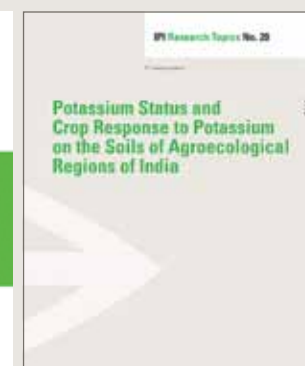
Cooperation with IRRI: dissemination of SSNM in the **Philippines**



IPI supports IRRI, **Los Baños, Philippines**

PUBLICATIONS AND SYMPOSIA

Publications	Available on IPI website
Country Reports	19
Proceedings (symposia)	57
Crop Bulletins	31
Research Topics	24
Potash Review (1956-1995)	~1,000
Ifc (1997-2003)	~30
<i>e-ifc</i> (2006-today)	82



IPI's publications (above) and potassium research papers in peer-reviewed journals (below)

PRESIDENTS AND DIRECTORS



* P. Chaudet



* N. Celio



E. Wyss



C. Brückner

Presidents	Directors	Administrative Directors
R. Gallay 1966	P. Rouquerol (F) 1952	Schmied (CH) 1952-1966
P. Chaudet 1970 *	de Tarragon (F) 1958	H. Künzli (CH) 1966-1989
N. Celio 1977 *	R. Lacaille (F) 1964	
E. Wyss 1991	A. von Peter (D) 1970	
C. Brückner 2009	F. Etournoud (F) 1992	
	A. Krauss (D) 1994	
	H. Magen (IL) 2004	

* Former President of the Swiss Confederation

POTASSIUM SYMPOSIA AND CONGRESSES



Year	Location	Title
1954	Zurich, Switzerland	1 st Potash Symposium
1957	Vienna, Austria	Potash Symposium
1958	Madrid, Spain	Potassic Manuring in Relation to Problems of Water
1960	Amsterdam, the Netherlands	Potassium in the Animal Organism
1962	Athens, Greece	Potash Manure in Mediterranean Conditions
1963	Wexford, Ireland	Potassium in Relation to Grassland Production
1967	Jyväskylä, Finland	Forest Fertilization
1968	Florence, Italy	Fertilization of Protected Crops
1969	Israel	Transition from Extensive to Intensive Agriculture with Fertilizers
1970	Antibes, France	Role of Fertilization in the Intensification of Agricultural Production
1971	Uppsala, Sweden	Potassium in Biochemistry and Physiology
1972	Landshut, Federal Republic of Germany	Potassium in Soil
1973	Abidjan, Republic of Ivory Coast	Potassium in Tropical Crops and Soils
1974	Budapest, Hungary	Potassium Research and Agricultural Production
1975	Ronne-Bornholm, Denmark	Fertilizer Use and Protein Production
1976	Izmir, Turkey	Fertilizer Use and Plant Health
1977	York, UK	Fertilizer Use and Production of Carbohydrates and Lipids
1978	Berne, Switzerland	Potassium Research - Review and Trends (25 th anniversary)
1979	Seville, Spain	Soils in Mediterranean Type Climates and their Yield Potential
1980	Wageningen, the Netherlands	Physiological Aspects of Crop Productivity
1981	Warsaw, Poland	Agricultural Yield Potentials in Continental Climates

POTASSIUM SYMPOSIA AND CONGRESSES



Year	Location	Title
1982	Goslar, Fed. Rep. of Germany	Optimizing Yields - The Role of Fertilizers
1983	Marrakech, Morocco	Nutrient Balances and the Need for Fertilizers in Semi Arid and Arid Regions
1984	Gardone-Riviera, Italy	Nutrient Balances and Fertilizer Needs in Temperate Agriculture
1985	Bangkok, Thailand	Potassium in the Agricultural Systems of the Humid Tropics
1986	Berne, Switzerland	The Role and Importance of Potassium in the Agricultural Systems of the Humid Tropics: the Way Forward
1986	Reims, France	Nutrient Balances and the Need for Potassium
1987	Baden bei Wien, Austria	Methodology in Soil-K Research
1989	Louvain-la-Neuve, Belgium	Methods of K-Research in Plants
1989	Wuhan, China	Potassium and Crop Quality
1990	Soligorsk, USSR	Development of K-Fertilizer Recommendations
1992	Prague, Czechoslovakia	Potassium in Ecosystems Biogeochemical Fluxes of Cations in Agro- and Forest- Systems
1993	Tehran, Iran	K Availability of Soils in West Asia and North Africa: Status and Perspectives
1994	Colombo, Sri Lanka	Integrated Crop Management in Tea Towards Higher Productivity
1995	Chiang Mai, Thailand	Potassium in Asia; Balanced Fertilization to Increase and Sustain Agricultural Production
1997	Bornova, Izmir, Turkey	Food Security in the WANA Region, the Essential Need for Balanced Fertilization
1998	Montpellier, France	Essential Role of Potassium in Diverse Cropping Systems
1999	Budapest, Hungary	Balanced Plant Nutrition in Sugar Beet Cropping Systems for High Yield and Quality
2000	Dotnuva-Akademija, Lithuania	Potassium and Phosphorous: Fertilization Effect on Soil and Crops

POTASSIUM SYMPOSIA AND CONGRESSES



Year	Location	Title
2001	Amman, Jordan	Potassium and Water Management in West Asia and North Africa
2001	Buenos Aires, Argentina	El Potasio en Sistemas Agrícolas Argentinos
2001	Junagadh, India	Balanced Nutrition of Groundnut and Other Field Crops Grown in Calcareous Soils of India
2001	New Delhi, India	Potassium in Indian Agriculture
2002	Basel, Switzerland	Feed the Soil to Feed the People: The Role of Potash in Sustainable Agriculture
2002	Budapest, Hungary	Balanced Plant Nutrition in Horticulture for High Yield and Quality
2003	Colombo, Sri Lanka	Importance of Potash Fertilizers for Sustainable Production of Plantation and Food Crops in Sri Lanka
2004	Haikou, Hainan, PR China	Nutrient Balances and Nutrient Cycling in Agro-Ecosystems, Part 1
2005	São Pedro-SP, Brazil	Potássio Na Agricultura Brasileira
2005	Eskişehir, Turkey	Potassium and its Importance in Agriculture
2006	Craiova, Romania	Management of Nutrients for Crop Quality Improvement and Environmental Conservation
2007	Rabat, Morocco	Potassium and Fertigation Development in West Asia and North Africa Region
2007	Ludhiana, India	Balanced Fertilization for Sustaining Crop Productivity
2007	Cambridge, UK	Potassium and Magnesium: Advances in Research and Application
2008	Indore, India	Recent Advances in Potassium Nutrition Management for Soybean Based Cropping Systems
2008	Zhuhai, China	Soil Potassium Dynamic and K Fertilizer Management
2008	Beijing, China	Fertigation: Optimizing the Utilization of Water and Nutrients
2010	Antalya, Turkey	Soil Management and Potash Fertilizer Uses in West Asia and North Africa Region
2010	Bhubaneswar, Orissa, India	Potassium Role and Benefits in Improving Nutrient Management for Food Production, Quality and Reduced Environmental Damages
2011	Kandy, Sri Lanka	Role of Potassium in Sustaining the Yield and its Quality
2012	Chengdu, China	Management of Potassium in Plant and Soil Systems in China

IPI TEAM



H. Magen
Director



M. Vacano
Administration



G. Peskovski
Coordinator East Europe



M. Marchand
Coordinator West Asia and
North Africa (WANA) and
Central Europe



E. Sokolowski
Coordinator China,
India and sub-Saharan
Africa



T. Wiendl
Coordinator Latin America



N. Awasthi
Coordinator East India,
Bangladesh and Sri Lanka



A. Shcharbakou
Coordinator SE Asia

IMPROVING FARMERS' PRACTICE



- Molecular plant nutrition
- (Plant) Root physiology
- Better understanding of general fertilization techniques
- Development of innovative fertilization techniques

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- Implementation for practice

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- Implementation for practice

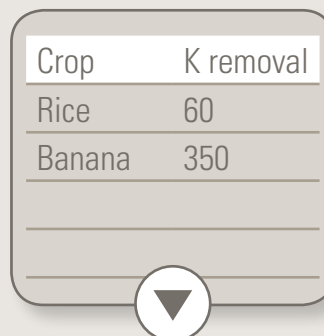


- Application and demonstration by progressive farmers
- Use by conservative, ordinary farmers

DISSEMINATION WITH NEW ICT TOOLS



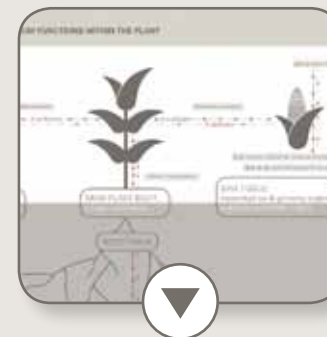
K gallery



Crop	K removal
Rice	60
Banana	350

A white circular arrow icon is positioned below the table.

K removal table



IPI slides



IPI Apps

OUR WORK IS ALWAYS IN COLLABORATION



OUR VISION PAST AND PRESENT

1952

To foster the application of scientific and practical methods for the amelioration of the soil in general and the use of fertilizers, especially of potash.

2012

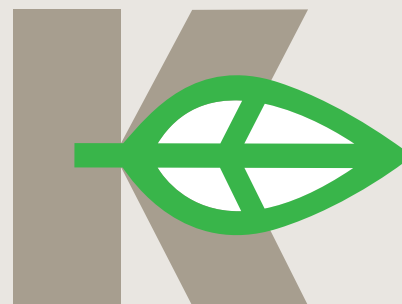
To participate in efforts to **increase global food security**, rural development and improvement of the livelihood of farmers.

To participate in **global research** themes that aim to achieve breakthroughs in nutrient management practices.

To foster the **application of scientific and practical methods for the amelioration of the soil** in general and the use of fertilizers, especially of potash.



INTERNATIONAL POTASH INSTITUTE



60 ANNIVERSARY 1952-2012

RECEPTION

Zürich, 13 November 2012



www.ipipotash.org

References: <http://pubs.usgs.gov/bul/0715b/report.pdf>, <http://www.uralkali.com/about/history/>, <http://www.kali.by/english/genesis.html>, <http://www.kali.by/english/history.html>, <http://www.kali.by/english/firm.html>, <http://www.kali.by/english/photo.html>, <http://www.patrimoine-minier.fr/alsace/slides/Photo001.html>, http://www.tessengerlo.com/tessengerlo_group/history/, <http://www.mdpa.fr/les-premices-d-une-grande-epopee.html>, <http://www.patrimoine-minier.fr/alsace/index.html>, http://www.geowiki.fr/index.php?title=Les_Mines_de_Potasse_d'Alsace_au_fil_du_temps, <http://www.iclfertilizers.com/Fertilizers/Pages/OurHistory.aspx>