



**Update on  
Activities and  
Legislative**

**and**

**International  
Status of  
Change**

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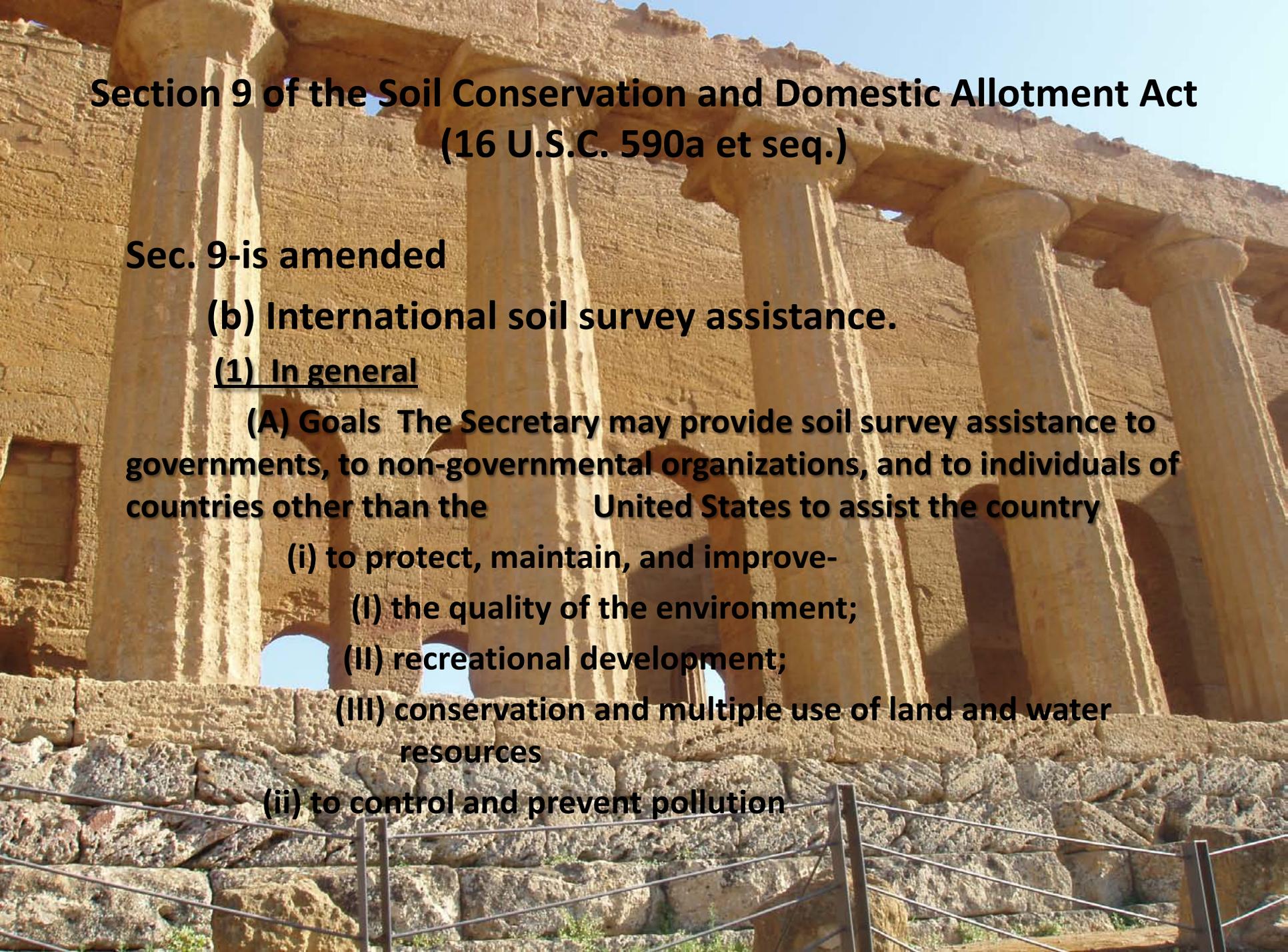
National State Soil Scientist's Workshop  
Columbia, South Carolina  
March 30, 2010

## Status of Legislative Change

# International soil survey assistance

- (1) In general
- (2) Parties to assistance
- (3) Use of funds
- (4) Funding

Take a look  
AT TOPSOIL



**Section 9 of the Soil Conservation and Domestic Allotment Act  
(16 U.S.C. 590a et seq.)**

**Sec. 9-is amended**

**(b) International soil survey assistance.**

**(1) In general**

**(A) Goals** The Secretary may provide soil survey assistance to governments, to non-governmental organizations, and to individuals of countries other than the United States to assist the country

**(i) to protect, maintain, and improve-**

**(I) the quality of the environment;**

**(II) recreational development;**

**(III) conservation and multiple use of land and water resources**

**(ii) to control and prevent pollution**



**Section 9 of the Soil Conservation and Domestic Allotment Act  
(16 U.S.C. 590a et seq.)**

**(B) Form of assistance**

- (i) conduct soil research;**
- (ii) studies regarding the classification, mapping and interpretation of soils;**

- (iii) provide technical assistance to**
  - (I) conduct soil research;**
  - (II) classify and map soils;**
  - (III) develop databases containing soil classification, mapping and interpretation of soils.**

- (iv) coordinating with other Federal agencies of the United States or agencies of other countries in connection with soil surveys.**

# Section 9 of the Soil Conservation and Domestic Allotment Act (16 U.S.C. 590a et seq.)

## (2) Parties to assistance.

The Secretary may enter into contracts, grants, cooperative agreements, memorandums of understanding, or other legal arrangements with:

- (A) public and private international organizations,**
- (B) foreign governments, and agencies and subdivisions of governments;**
- (C) non-governmental, private entities, or individuals in the United States and in other countries; and**
- (D) Federal, state, and local governments in the United States**

# **Section 9 of the Soil Conservation and Domestic Allotment Act (16 U.S.C. 590a et seq.)**

## **(3) Use of funds.**

**The Secretary may provide soil survey assistance on a full or partial advance of funds, reimbursable, or non-reimbursable, basis to:**

- (A) public and private international organizations,**
- (B) foreign governments, and agencies and subdivisions;**
- (C) non-governmental or private entities, or individuals; and**
- (D) Federal, state, and local governments in the U.S. or U.S. citizens.**

# Section 9 of the Soil Conservation and Domestic Allotment Act (16 U.S.C. 590a et seq.)

## (4) Funding

### **(A) Authorization of appropriations.**

**Authorized to be appropriated until expended, to provide soil survey assistance.**

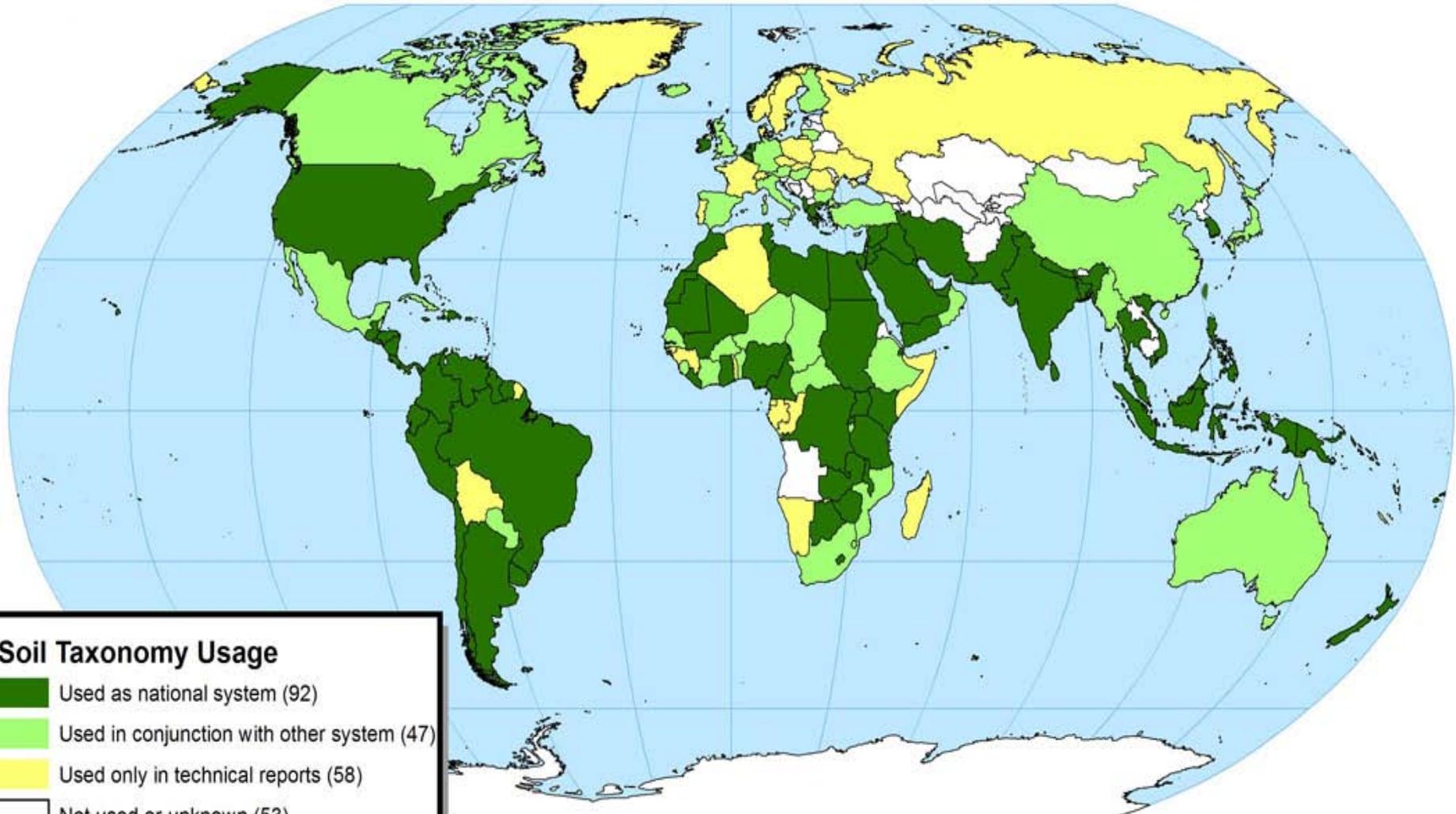
### **(B) Personnel costs.**

**Funds available to pay for salaries and expenses may be used for personnel costs.**

**(C) Transfer of funds.-Any federal agency or international partner may participate in the provision of soil survey assistance by contributing funds through the appropriate agency of the Department if it is mutually agreed that the objectives of the soil survey assistance will further the authorized activity.**

# *Universal Soil Classification System*

## World Soil Taxonomy Usage



### Soil Taxonomy Usage

- Used as national system (92)
- Used in conjunction with other system (47)
- Used only in technical reports (58)
- Not used or unknown (53)

Robinson Projection

0 1,000 2,000 4,000 6,000 8,000 10,000 Kilometers

January 2010

# International Activities

## Latin America

1. Chile - Correlation Conference & Tour
2. Latin America – XVIII Soil Science Congress
3. Mexico
  - a. Monterrey - Training on Soils & ESD's
  - b. Aqua Prieta – Training on Soils
  - c. Santa Cruz – IUSS Soil Geography Conference
  - d. El Jabali - Soil Survey posted to WSS
4. Costa Rica - Soil Regions Map

# International Activities

## Europe

1. NSSC hosted Professor Michele Freppaz from Italy
2. Ispra Italy – European Commission, JRC
3. Budapest, Hungary - Bridging the Centuries Conference
4. Budapest, Hungary - European Soil Bureau Network Meeting and IUSS Salinity Tour
5. Prague, Czech Republic – Global Earth Observation Systems International Meeting
6. Spain – Soil Survey of Catalunya

# International Activities

## Africa

1. Tanzania Participated in African Soil Information Service (AFSIS) Global Soil Map
2. Rwanda - Developed Soil Database System

Japan - Soil Orders Map

Canada - Toronto Land Resource Conference

Thailand & Cambodia – Maxine Currently on 3 month Detail (ending last of April)

Afghanistan – Soil Sampling and NSSC Lab analysis

Antarctica – SCAN sites

# Global Soil Regions

## USAID Project Proposals

- a. Haiti - Soil Survey and Reconstruction Project
- b. Africa - Soil Training w/Global Soil Map Project
- c. Mexico - Soil Survey and Desertification Project

Robinson Projection  
Scale 1:130,000,000

### Soil Orders

 Alfisols	 Entisols	 Inceptisols	 Spodosols	 Rocky Land
 Andisols	 Gelisols	 Mollisols	 Ultisols	 Shifting Sand
 Aridisols	 Histosols	 Oxisols	 Vertisols	 Ice/Glacier

# International Activities

## Past – Slowed down to a stop (last 20 years)

- SMSS - Soil Management Support Services (Worldwide support) USAID funded
- Soil Scientists – Short Term Exchange with Countries (Training & Lab Sampling)

## Future

- Develop Short-Term International Exchange (Employee Development & Assistance)
- Work with International Programs Division to develop USAID projects
- Present Paper at World Congress to propose a Universal Soil Classification System



**Thank**

**YOU**

**for**

**Your**

**“Attention”**