

USSP POTAS Coordinators Meeting

INMM - Marriott Marquis

Atlanta, GA

Room M-108

July 21, 2014

6:00 PM – 7:00 PM

*Ray Diaz, International Safeguards Project Office
Brookhaven National Laboratory*

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a passion for discovery



Outline

- SSTS - Subgroup on Safeguards Technical Support
- ISPO Organization Chart
- IAEA SG – Initiator of Requests to the USSP
- How the USSP Processes IAEA Requests
- Ongoing Improvements
- USSP Strategic Objectives and Work Funded
- POTAS Funding History
- Recruitment for IAEA Safeguards Positions
- Electronic Country Clearance (eCC)
- POTAS Communication Guidelines
- ISPO website: www.bnl.gov/ispo
- Lab/Contractor Feedback/Questions

Subgroup on Safeguards Technical Support (SSTS)

- Oversight of the U.S. Support Program
- Determines USSP POTAS funding decisions for IAEA requests

SSTS Members:

1. Chair: **Kevin Veal**, Department of Energy (Karyn Durbin – alternate)
2. Department of State, **Peter Sprunger** (Robert Cockerham - alternate)
3. Department of Defense: **Lt. Col. Robin Orth**, (James Killian & William Howe - alternates)
4. Nuclear Regulatory Commission: **Santiago Aguilar and Eric Freeman**

Brookhaven National Laboratory

Safeguards and Nonproliferation Policy Group

Susan Pepper Group Leader

Donna Muscarella Administrative Support



International Safeguards Project Office

Raymond Diaz Project Office Head

BNL

Joe Carbonaro	(Task Monitor)
Jae Jo	(Task Monitor)
Al Queirolo	(Task Monitor)
Josh Tackentien	(Task Monitor)
Laura MacArthur	(Associate Project Mgmt. Specialist)
TBD	(Administrative Support)
Tanya Collins	(Recruitment Specialist)
Deborah Johnson	(Financial Specialist)

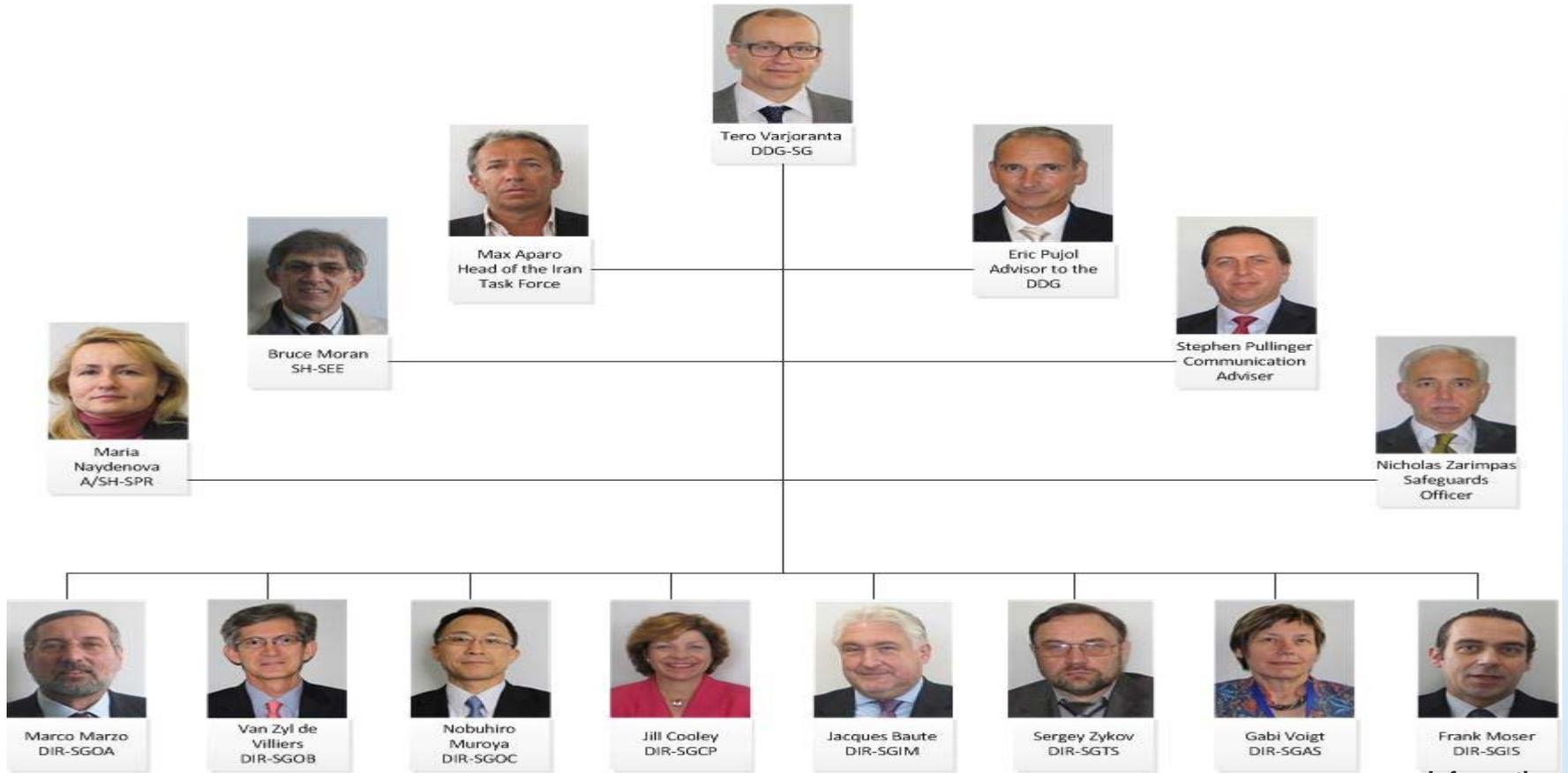
VIENNA

Barbara Hoffheins (Liaison Officer)

POTAS US Laboratory Coordinators

ANL (Argonne National Laboratory) –	Peter Heine
BNL (Brookhaven National Laboratory) –	Lisa Toler
INL (Idaho National Laboratory) –	Jeff Sanders
KCP (Kansas City Plant) –	Douglas Byron
LANL (Los Alamos National Laboratory) –	Peter Santi
LLNL (Lawrence Livermore National Laboratory) –	Young Ham
NBL (New Brunswick National Laboratory) –	Peter Mason
ORNL (Oak Ridge National Laboratory) –	Michael Whitaker
PNNL (Pacific Northwest National Laboratory)–	John Schweighardt
PTH (Protection Technology Hanford) –	Steven Schlegel
SNL (Sandia National Laboratories) –	George Baldwin
SRNL (Savannah River National Laboratory) –	Lindsay Sexton
STL (Special Technologies Laboratory) –	Steve Koppenjan

IAEA Department of Safeguards

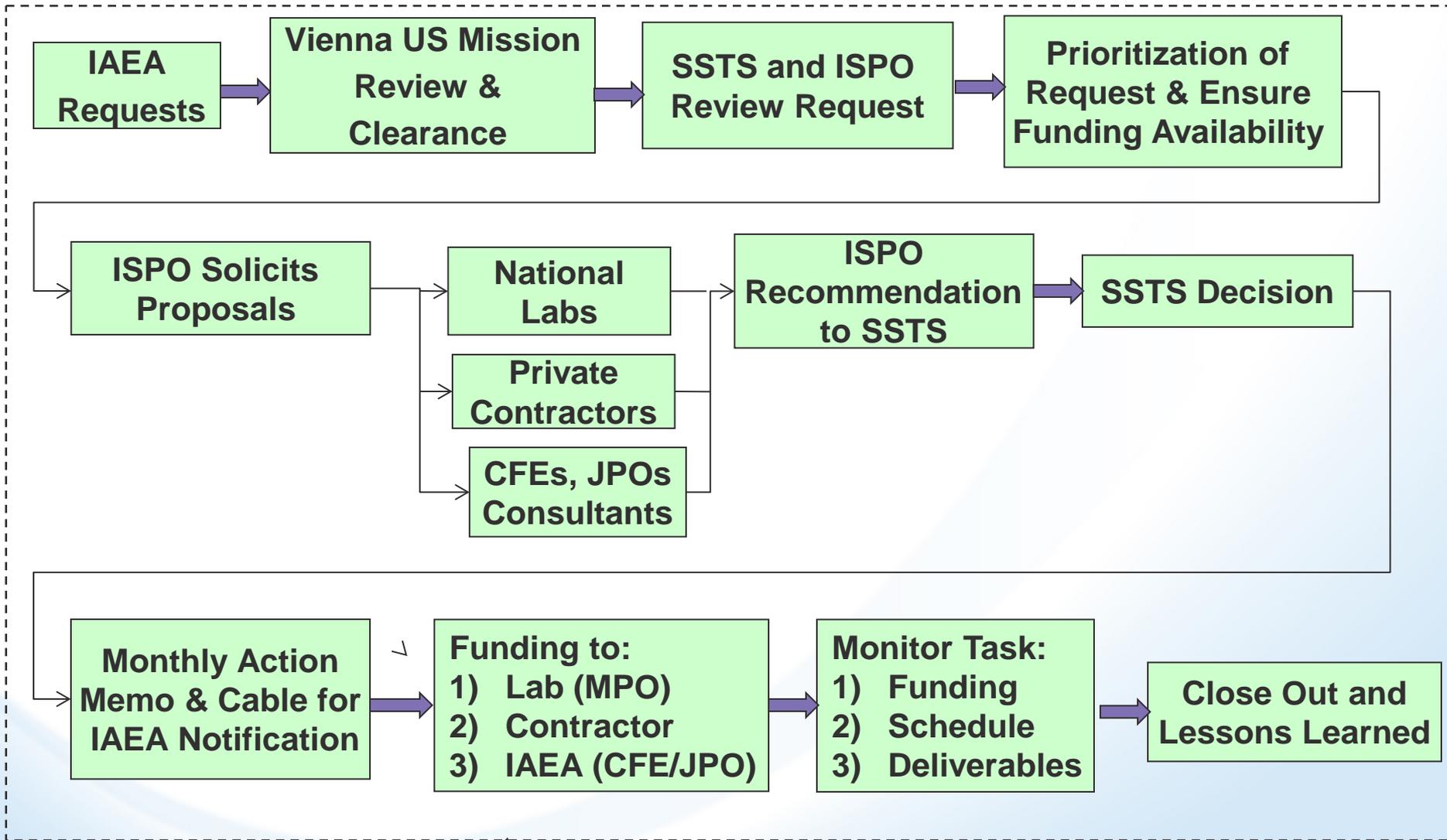


IAEA Inspectorate

Concepts & Planning
Information Management
Technical Services
Analytical Services
Information Services

Initiate Requests to USSP

How the USSP Processes IAEA Requests



ISPO Management of IAEA Requests

- **IAEA Outstanding Request List (ORL):**
 - List of all pending IAEA requests including SP-1's, CFE/JPO, and Letter Requests
 - Review, prioritize and update ORL weekly
- **Monthly POTAS Action Memo:**
 - Lists all POTAS funding approvals for the month
 - SP-1 and letter request decisions are documented in an Action Cable to the IAEA
- **POTAS Funding Forecast:**
 - Used to prioritize new requests, recurring tasks, and travel support requests (ex: Training Courses, CFE/JPO extensions)
 - Reviewed and updated “real time” as SSTS funding decisions are made and new IAEA requests are received
 - USSP funding is not sufficient to fund all IAEA requests, hence the importance of IAEA prioritization
 - Ensure funding availability prior to soliciting proposals

Ongoing Improvements

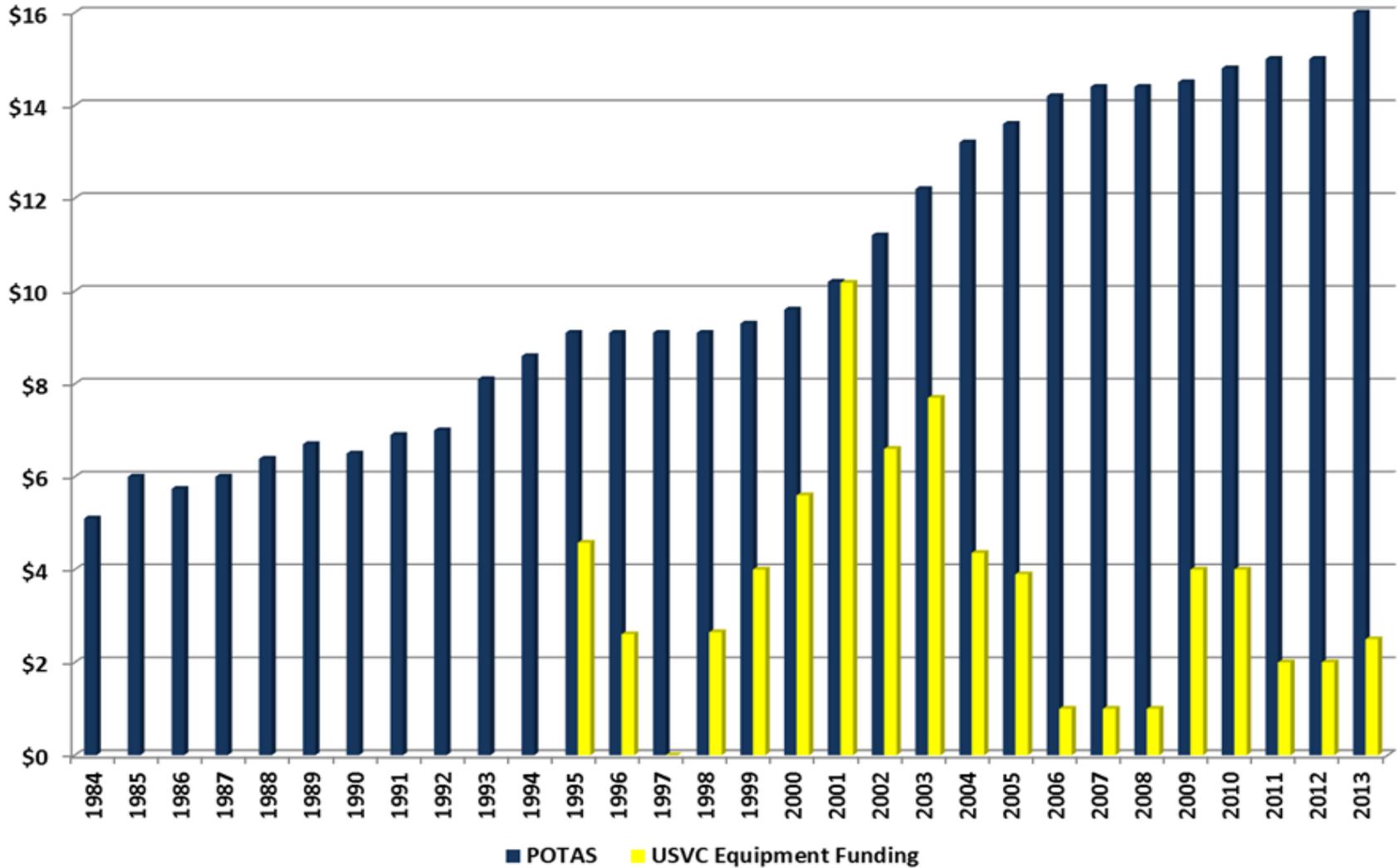
- **Standardization of ISPO Website (<http://www.bnl.gov/ispo/>):**
 - Total redesign with focus on IAEA SG recruitment (Release in CY14)
 - Homepage links for job seekers (CFE/JPO, IAEA Staff) and Technical work
 - Job seeker ability to upload information for ISPO assistance with recruitment
 - BNL Web Services implementing redesign at no cost to POTAS
- **Revisiting Approach to Long-Term Tech. Development Investments:**
 - R&D investments are risky and how best to minimize risk for future projects
 - Compiling lessons learned from past projects (UNAP)
 - Initial technical evaluation of equipment need, quantity/cost evaluation, and IAEA agreement on project plan including commercial procurement
 - Periodic strategic reviews to ensure continuing institutional interest
 - Incorporate more “off-ramps” and implement multi-year projects in phases
 - Reduce time from request acceptance to commercialization

USSP Strategic Objectives

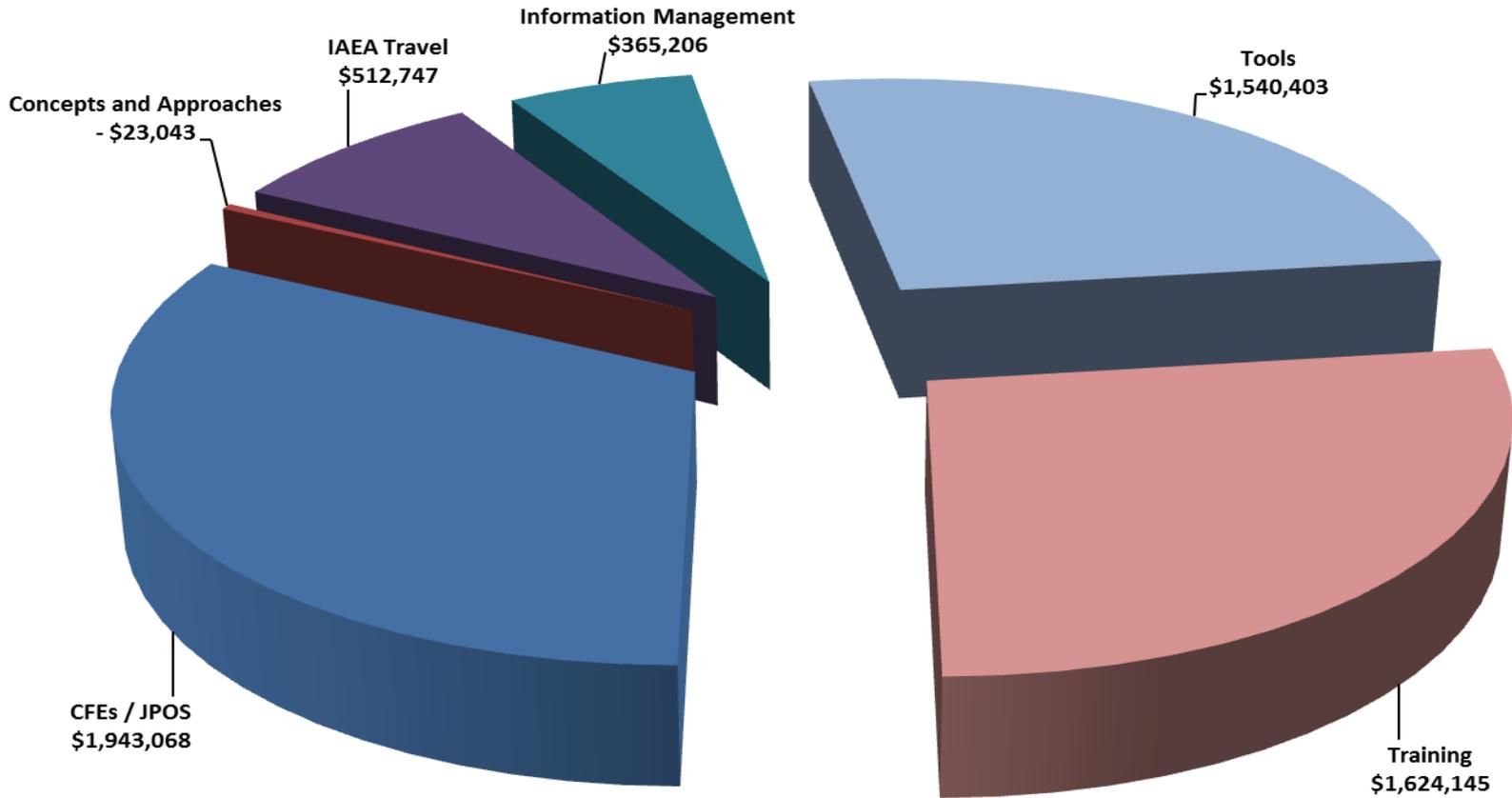
Used to assist in prioritizing IAEA requests (listed in random order)

- **Training:** Ensure IAEA staff have the necessary expertise
- **Tools:** Ensure the IAEA has the necessary tools to implement safeguards verification
- **Concepts and Approaches:** Help the IAEA develop effective safeguards approaches
- **Information Management and Security:** Equip the IAEA to acquire, analyze, and manage information securely
- **Human Resources:** Place highly qualified personnel in IAEA positions
- **Quality Management:** Promote a culture of QM improvement at the IAEA
- **Communication:** Improve communications practices between IAEA and its stakeholders

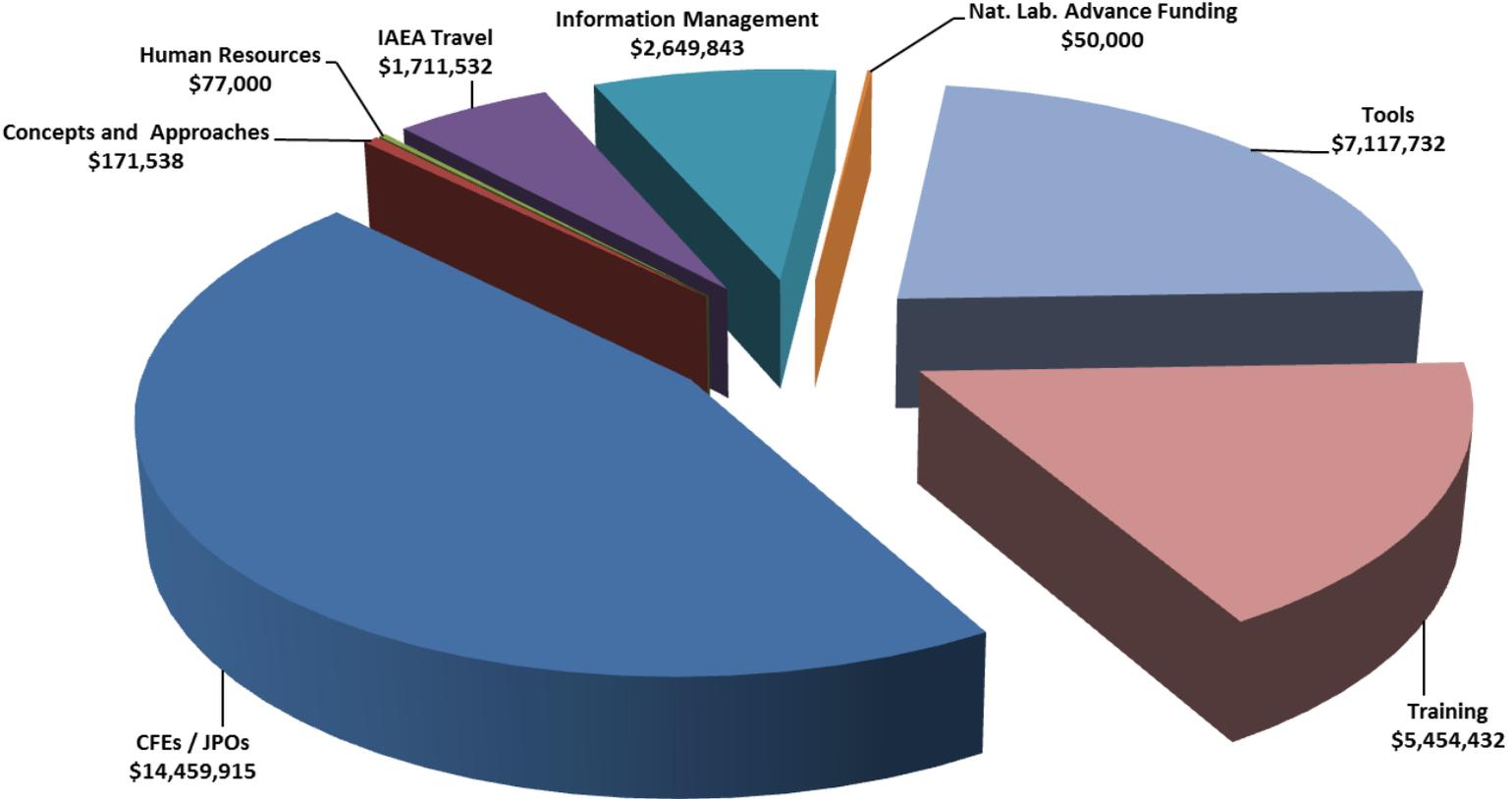
POTAS & USVC Equipment Funding 1984 - 2013 (\$M)



All POTAS Funding Approved by Priority (CFEs / JPOs Separated) CY 2013 (\$6.0M)



All POTAS Funding Approved by Priority (CFEs / JPOs separated) CY 2011 - 2013 (\$31.7M)



USSP FY 14 Annual POTAS Budget: \$16.0 Million

Funding Over **80 Active Tasks/Subtasks**

FY14 Estimated Funding Expenditures:

- Training - \$2.5 million
- CFEs (16) and JPOs (6) - \$6 million

\$4.5 million for funding the below items:

- Consultants (ex: Open Source)
- Destructive Analysis & Environmental Sampling
- Concepts and Approaches
- Equipment and Software Development

Active USSP Funded Projects

- A.223 - Enhanced Capabilities for Analytical Services (ECAS)
- A.290 - On-Line Enrichment Monitor (OLEM)
- A.294 - Unattended Gamma Emission Tomography (UGET)
- A.298 - Unattended Cylinder Verification Station (UCVS)
- Many 'B' Tasks - Recurring IAEA Inspector Training Courses
- D.156 - Software Development for SAL
- E.161 - Remotely Monitored Sealing Array (RMSA)

Note: Please submit report to ISPO for completed In-Kind work

Future IAEA SG Needs

- Suggest reviewing IAEA 2014 – 2015 Development and Implementation Support (DIS) Program for Nuclear Verification
 - Lists Dept. of SG short term (2 yr) directions and key objectives by subject area
 - This short term work supports IAEA objectives of their:
 - Long Term Strategic Plan (2012 – 2023)
 - Medium Term Strategy (2012 – 2017)
 - Long Term Research & Development Plan (2012 – 2023)
- IAEA requests are based on current needs which change

Recruitment for IAEA SG Positions

- Focus on recruitment for IAEA SG Staff Positions
- Respond to requests for CFE's and JPO's
- Post job openings on ISPO Website (www.bnl.gov/ispo)
- Attend Conferences to actively recruit qualified candidates
- Search for qualified candidates using recruitment websites and data stored on the ISPO Information System (IIS)
- Assist selected candidates with transition to work in Vienna

Electronic Country Clearance (eCC)

- Used to obtain DOE approval of USSSP funded Vienna foreign travel
- Labs –Input Data into the Foreign Travel Management System (FTMS)
- Contractors - Provide eCC information to ISPO (Kathleen Gillen – (gillen@bnl.gov) who inputs data into FTMS
- US Mission approves eCC with assistance of ISPO Liaison Officer (HoffheinsB@state.gov)
- eCC must be in compliance with procedure located on ISPO website: http://www.bnl.gov/ispo/county_clearance.asp
- eCC needs to be submitted into FTMS at least 45 days prior to travel
- US Federal employees must have “Official” passport

POTAS IAEA Communication Guidelines

- All communications with the IAEA go through ISPO
- If the IAEA contacts you directly regarding a non funded USSP project, indicate they need to go through the US Mission to International Organizations in Vienna (UNVIE)
- Include ISPO task monitor and Barbara Hoffheins on pre-approved IAEA communications for funded POTAS work
- Do not attempt to “Sell” new projects to the IAEA that have not been cleared by the USSP and UNVIE
- Let the ISPO task monitor know if we need to set up a teleconference call or VTC with the IAEA to resolve project issues

Existing ISPO Website - <http://www.bnl.gov/ispo/>

The screenshot shows a web browser window with the URL <http://www.bnl.gov/ispo/>. The page features a left-hand navigation menu with the following items: ISPO (selected), BNL, Site Details, ISPO Home, Staff & Contact Info, U.S. Support Program, ISPO Resources, IAEA Recruitment Services, IAEA Opportunities, Overseas Assistance, ISPO Events, ISPO Liaison Newsletter, Contractor Information, IAEA Documents, Development and Implementation Support Programme (PDF), Visitors Guide to the VIC, Additional Protocol INFCIRC/540 (PDF), About Vienna, U.S. Vienna, Vienna, Austria, Other Information, U.S. Dept. of State, U.S. Dept. of Energy, IAEA, and NRC.

The main content area contains the following text:

The International Safeguards Project Office (ISPO) is responsible for the day-to-day technical and administrative management of the U.S. Support Program to IAEA Safeguards (USSP). ISPO performs this service at the behest of the Subgroup on Safeguards Technical Support (SSTS).



IAEA Department of Safeguards:
[Current Job Postings](#) | [Future Job Postings](#) | [Expert Opportunities](#)

ISPO is based at [Brookhaven National Laboratory](#) on Long Island, New York, and maintains a liaison office in Vienna, Austria, in the IAEA section of the U.S. Mission to International Organizations in Vienna (UNVIE). The technical management role performed by ISPO involves evaluating the technical feasibility of proposed tasks, offering sound recommendations for an inter-agency review process, and ensuring that products meet the IAEA's stated needs. The administrative management of the program entails tracking schedules and budgets for active tasks, preparing status reports, obtaining proposals from prospective contractors, recruiting for regular staff and cost-free expert positions, and identifying candidates for participation in IAEA Department of Safeguards technical meetings.

The ISPO Brookhaven Office is the primary point of contact with the SSTS and the U.S. contractors. The office is staffed by four technical and four administrative professionals. The office assists the contractors by transmitting information to and requesting information from the IAEA. In addition, the office is responsible for seeking proposals for requested tasks from prospective contractors.

END OF PRESENTATION

AND

THANK YOU FOR YOUR ATTENDANCE

Lab/Contractor Feedback and Questions