



# SESSION 4.0

## ELECTRONIC DATA TRANSFER

First TUFMAN Training Workshop (TTW-1)  
3-7 December 2012  
SPC, Noumea, New Caledonia



# Presentation outline



- Purpose
- Description of various ways to transfer data
- Closer look at preferred ways
- Is there any issues ?
- TUFMAN Backup needs

# Electronic Data transfer ?



## PURPOSE

Easy and automated transfer of data, in an electronic format, between member countries and SPC

## DATA TYPES

- Databases updates & backup:
  - TO Countries: CES update, new TUFMAN front-end, new TUBS front-end
  - TO SPC: TUFMAN/TUBS database backup
- Scanned tuna fishery data forms: logsheets, workbooks, port sampling forms
- VMS updates: data reconciliation, determining coverage, VDS

# Ways to transfer Electronic Data




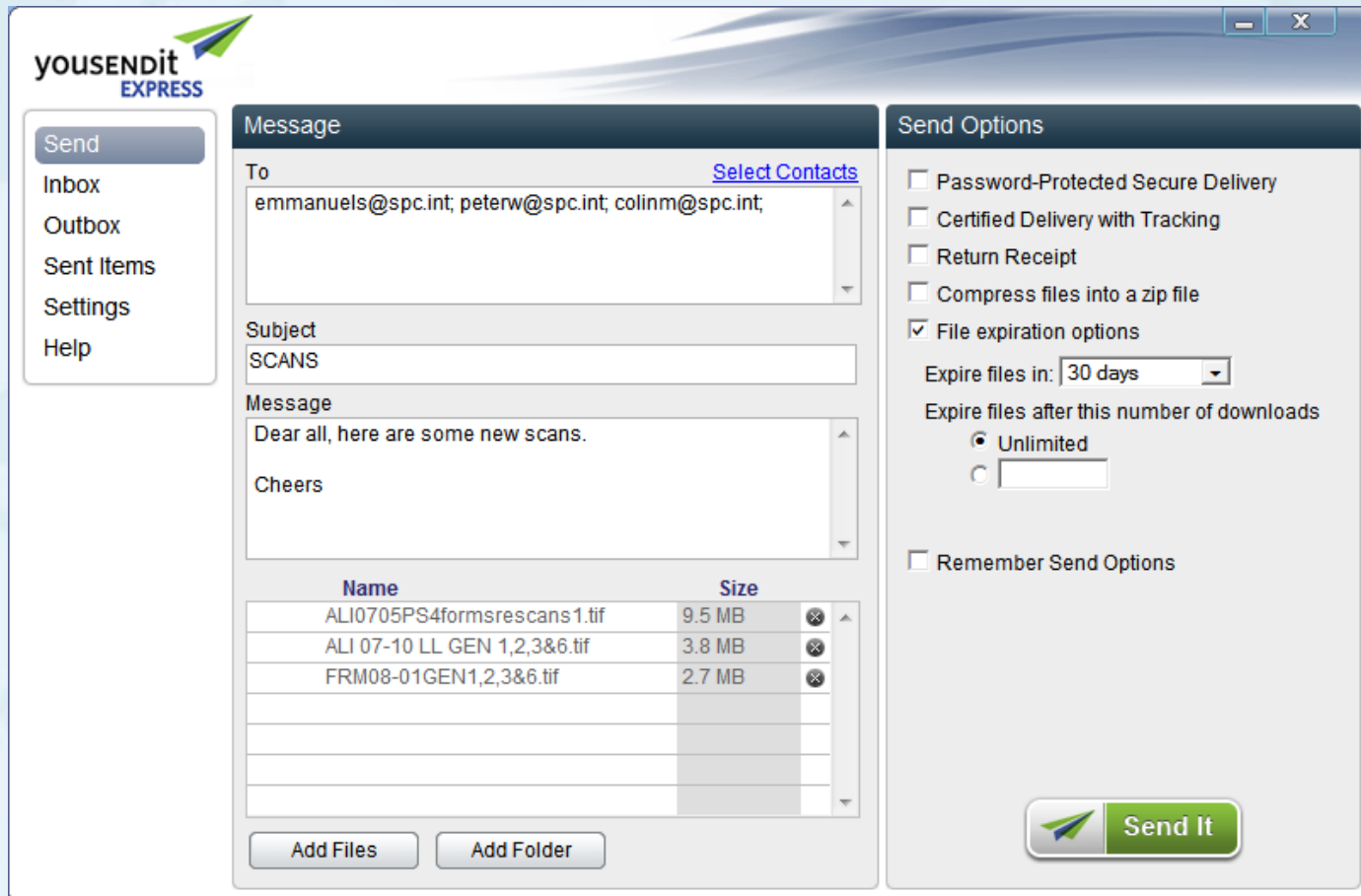
- **SPC / Country staff visit**
- **DVDs**
- **Hard disk**
- **Email**
- **FTP**
- **Web site**
- **Cloud folder sharing**

# Suggested Ways



## Email

- **Problem** : large files (scans) => mailboxes can be full very quickly
- **Solution: YOUSENDIT EXPRESS**   
(<http://www.yousendit.com/express-application>)



The screenshot shows the Yousendit Express web application interface. On the left is a navigation menu with options: Send, Inbox, Outbox, Sent Items, Settings, and Help. The main area is divided into two panels: 'Message' and 'Send Options'.

**Message Panel:**

- To:** emmanuel@spc.int; peterw@spc.int; colinm@spc.int; (with a [Select Contacts](#) link)
- Subject:** SCANS
- Message:** Dear all, here are some new scans. Cheers
- File List:**

Name	Size	
ALI0705PS4formsrescans1.tif	9.5 MB	✕
ALI 07-10 LL GEN 1,2,3&6.tif	3.8 MB	✕
FRM08-01GEN1,2,3&6.tif	2.7 MB	✕

Buttons: Add Files, Add Folder

**Send Options Panel:**

- Password-Protected Secure Delivery
- Certified Delivery with Tracking
- Return Receipt
- Compress files into a zip file
- File expiration options
  - Expire files in: 30 days
  - Expire files after this number of downloads
    - Unlimited
    - [ ]
- Remember Send Options

Button: Send It

# Suggested Ways



## FTP

- **Either upload to SPC FTP web site**
  - You need **FTP client** software  
(Filezilla- <http://filezilla-project.org/> )
  - You need FTP access code from us
  - Easy to put in place
  - Transparent for SPC
  
- **Or we install an **FTP server** on your server (Filezilla server)**
  - Setup can only be done during a visit
  - Transparent for the Country

# Suggested Ways



## Cloud Folder Synchronization



- Need to be installed & configure during a visit
- Once setup, transparent for the country and for SPC
- Secure
- Can work in conjunction with Windows Scheduler



- **Main issue: INTERNET BANDWIDTH**
  - **Small bandwidth** in some countries
  - **Restricted to a max amount of transfer** in some other (Telecom limitation) (CK)
  - **Restricted to certain times** during day in some other countries (TK)
- **Resolution: SCHEDULED TRANSFERS**
  - Transfers to the shared folder can be **scheduled at night** or over week ends (TUFMAN db)
  - Avoids cluttering the daily bandwidth
  - Leave the whole bandwidth available for staff, during work time



# Need for TUFMAN backup at SPC!



- **New tool soon to be available: TUFWEBRECON**
  - Provides remote access to **logsheet coverage** information
  - WEB based (remote access)
  - Needs your TUFMAN database on a regular basis, in order to be up-to-date

 **TUFMAN database backup needs to be transferred to SPC on a regular basis**

- Backup automatically zipped and copied to the YouSendit cloud sharing folder every week end (bandwidth)
- Provides an additional backup security



**QUESTIONS ?**