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ELIPSS : A practice driven application development

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ESRA 2017

Tuesday, July 18, Lisbon



Content

- I. What is the CDSP & ELIPSS ?
- II. Panel Management System (PMS)
- III. Tickets & groups
- IV. Follow-up call
- V. Current development



Centre de données socio-politiques

- Socio-political data center (CDSP)
- Created in 2006
- Offers services around social science data
- Coordinates and participates (ELIPSS, BeQuali...)

What is ELIPSS ?

- Étude Longitudinale par Internet pour les Sciences Sociales
- Probability-based online panel
- Pilot study 2012-2016 : 1039 panel members
- Monthly questionnaires designed by researchers
- Device and internet access provided to each panel member



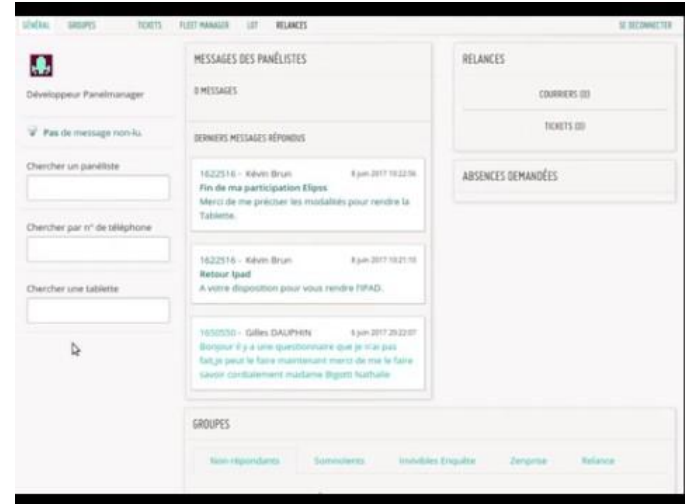
Panel Management System (PMS)

- Tailor made by our IT team
- Contribution of the panel management team
- Multiple function :
 - Keep contact
 - Manage the fleet
 - Handle the incidents (tickets)
 - Follow up the non respondents



Panel Management System (PMS)

- Find a panelist :
 - by his first name and name
 - by his ELIPSS ID
 - by his phone number
 - by his email



Panel Management System (PMS)

- Quick view of the panel member (ID Card)
- Contact info
- Panel member situation
(response rate for ex)
- Tablet and line data

ELODIE PETORIN_STAFF2 - 9999216

MATÉRIEL ÉDITER DÉSACTIVER CHANGER MDP

Données générales

Date naiss. 19 octobre 1983 - 33 ans

Sexe Femme

Address Chemin des Hirondelles
17000, LA ROCHELLE

Coordonnées

Tél. fixe 01 45 49 59 59

Mobile 07 62 01 68 85

Tél. pro N.D.

Courriel N.D.

Convention 1 janvier 1970

Période préférée N.D.

Groupes	invi-enquête
Tx rép	0/6 (0%)
Dern enq	Aucune
Coord	Oui
Tickets	0 / 1
Relance	RO ▶
IMEI	354438070050137
Identifiant Xenmobile	s0007
ZP	14 Juin 2017
Tél. tablette	0762016885
Jours d'absences	0
Femto	Non
Lot n°	92

HISTORIQUE

16/03/2016 en cours.. Utilisable 354438070050137 s0007 CDSP

Group and tickets

- Ticket creation
- Tickets to follow the incidents
- Several groups of non respondents
- Follow-up by phone or emails

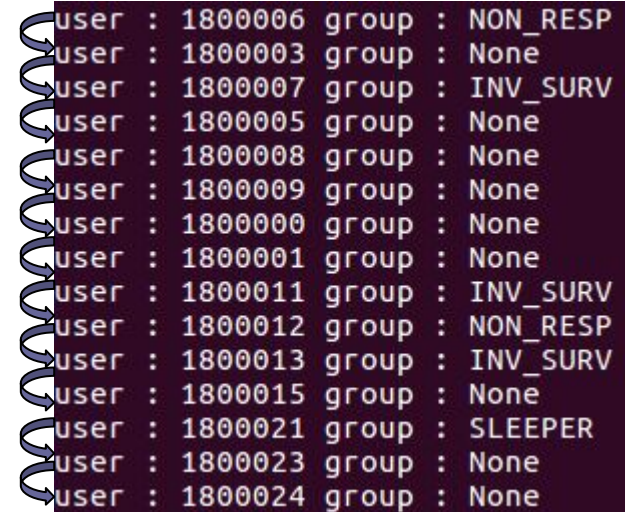
The screenshot displays the EIPSS software interface. At the top, there are navigation tabs: GÉNÉRAL, GROUPES, TICKETS, FLEET MANAGER, LIST, and RELANCES. The user profile for 'ROMAIN MOUSIN_STAFF2 - 9999225' is shown, including personal details like date of birth (3 janvier 1970), sex (Femme), and address (84 rue de Grenelle, 75007, PARIS). A table on the right lists various statistics: Groupes (mhi-enquête), Tx rcp (1/6 (16%), Dem enq (8 Jul. 2016), Coord (Oui), Tickets (0 / 0), Relance (RD +), IMEI (354438070509914), Identifiant Nimrod (10006), ZP (06 Avr. 2017), Tél. tablette (0762068390), jours d'absence (0), and Fermé (Non). A dropdown menu is open, showing options such as 'Label', 'Autre', 'Changer', 'Convertir', 'Coordonnées', 'Enquête', 'Exclure', 'Fermé (oui)', 'Identifiant parent', 'Intégration parent', 'Logiciel', 'Statut', 'Droits', 'Porte / vsa', 'Réassignation ticket', 'Réassignation previous', 'Suspension', 'Sortie Panel', and 'MCH'.



How is it working ?



- Nightly CRON script
- Routine calculations
- With a hint of instant update
(group change when a panelist completes
a survey)



```
user : 1800006 group : NON_RESP
user : 1800003 group : None
user : 1800007 group : INV_SURV
user : 1800005 group : None
user : 1800008 group : None
user : 1800009 group : None
user : 1800000 group : None
user : 1800001 group : None
user : 1800011 group : INV_SURV
user : 1800012 group : NON_RESP
user : 1800013 group : INV_SURV
user : 1800015 group : None
user : 1800021 group : SLEEPER
user : 1800023 group : None
user : 1800024 group : None
```

Extension of the panel

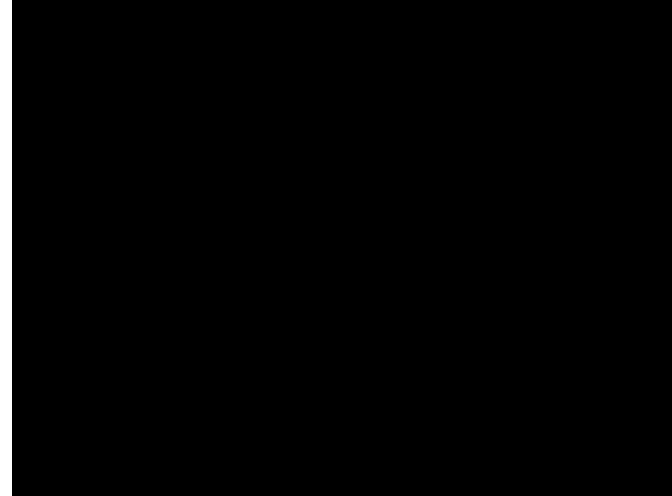
- 2500 panelists recruited in 2016
- More calls to do and letters to send
- More tablets and more incidents (tickets) to manage
- New range of tools





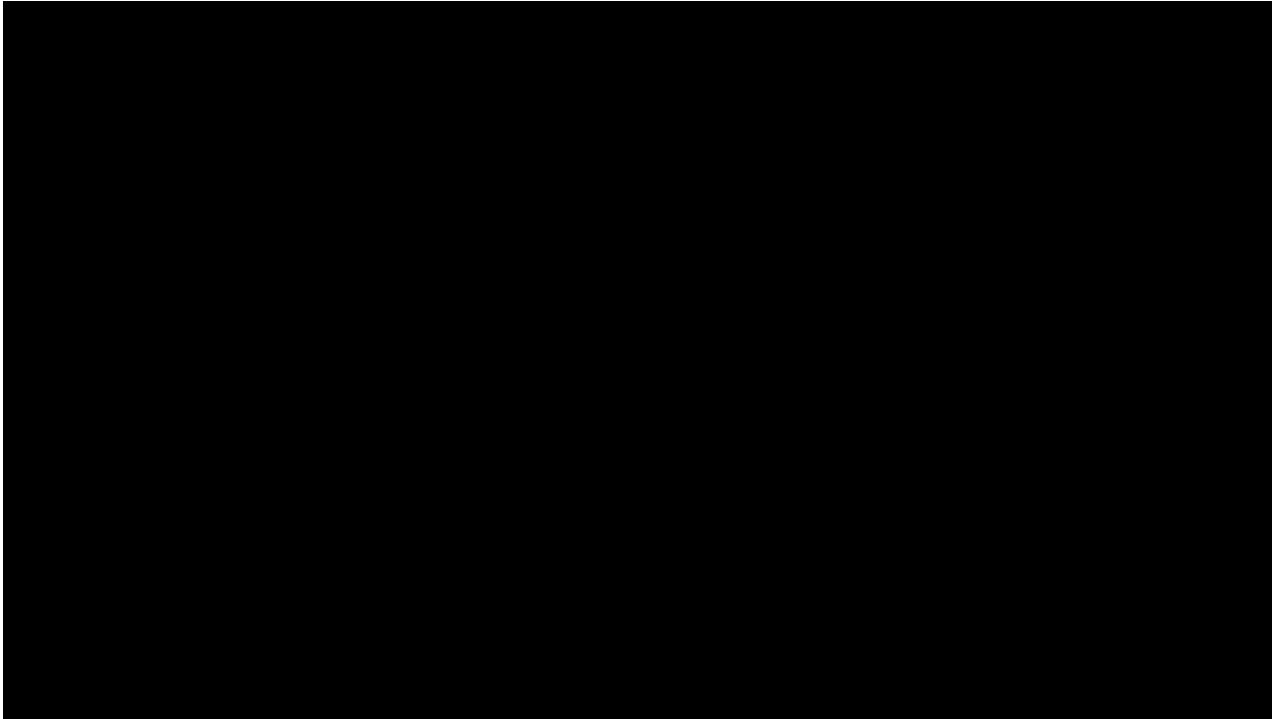
Sleeper's group and follow-up call

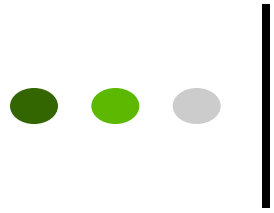
- Sleeper's group
- Massive follow-up call
- Necessity to see the follow-up outcome on the panelist page





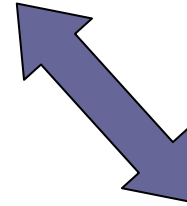
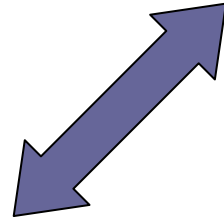
Follow up interface





Server

Web Page 1



Web Page 2

GÉNÉRAL GROUPE TICKETS FLEET MANAGER LOT RELANCES SE DECONNECTER

(340) SLEEPER À APPELER (12) SLEEPER APPELÉS

Développeur Panelmanager

Pas de message non-lu.

Chercher un panéliste

Chercher par n° de téléphone

Chercher une tablette

2 - Estelle, DUCHESNE

7 - Orane, Steinlen

Info Panelmanager

Coordonnées

Tél. fixe	30 . 60 . 33 . 74 . 47
Mobile	27 . 18 . 47 . 51 . 34
Tél. Pro	N.D
Gender	female
Tickets	0/2

Issue :

Commentaire :

ENREGISTRER

8 - Roland, Arnould

GÉNÉRAL GROUPE TICKETS FLEET MANAGER LOT RELANCES SE DECONNECTER

(120) SLEEPER À APPELER (12) SLEEPER APPELÉS

Développeur Panelmanager

Pas de message non-lu.

Chercher un panéliste

Chercher par n° de téléphone

Chercher une tablette

2 - Estelle, DUCHESNE

7 - Orane, Steinlen

Info Panelmanager

8 - Roland, Arnould

26 - EUGENIE, MOLINAS

40 - Sylvie, Velay

42 - Caroline, Harnols

54 - LAURENT, Vernaz-Lamart

Technologies & methodology used

- Django (python)
- Javascript (Vanilla & JQuery)
- Tornado (websocket)
- Iterative development, agile inspired



Current development

Letter reminder

- Send letter within PMS
- Print custom letter



Android Push Notification

- Send notification automatically





Thank you for your attention!

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