



HAL
open science

ELIPSS : A practice driven application development

Elodie Pétorin, Alexandre Chevallier, Charlotte Montcharmont

► **To cite this version:**

Elodie Pétorin, Alexandre Chevallier, Charlotte Montcharmont. ELIPSS : A practice driven application development. ESRA 2017, European Survey Research Association (ESRA), Jul 2017, Lisbonne, Portugal. hal-03471796

HAL Id: hal-03471796

<https://sciencespo.hal.science/hal-03471796>

Submitted on 9 Dec 2021

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



Distributed under a Creative Commons Attribution - NonCommercial - ShareAlike 4.0 International License



ELIPSS : A practice driven application development

Élodie Pétorin, Sciences Po, Center for socio-political data (CDSP), CNRS, Paris, France

Alexandre Chevallier, Sciences Po, Center for socio-political data (CDSP), CNRS, Paris, France

Charlotte Montcharmont, Sciences Po, Center for socio-political data (CDSP), CNRS, Paris, France

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



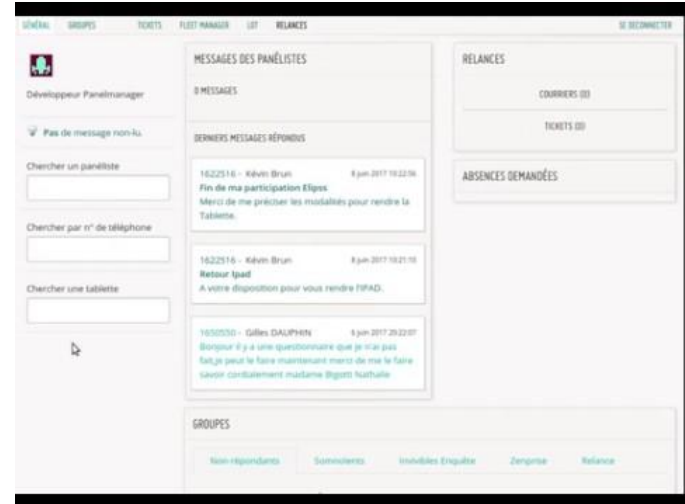
Panel Management System (PMS)

- 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%), Dern 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).

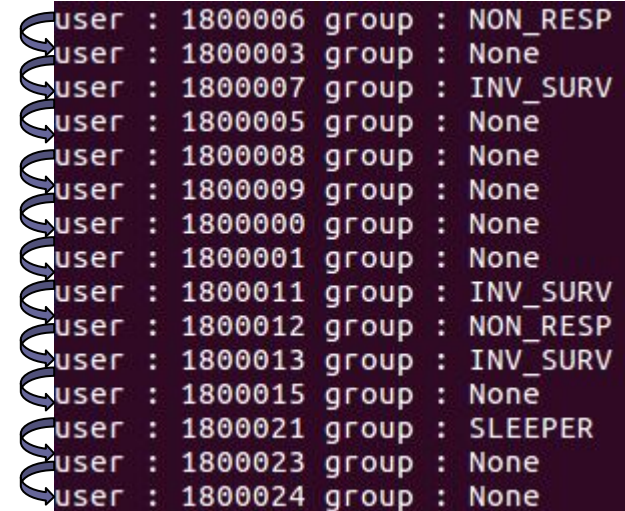
A dropdown menu is open, showing a list of actions for the ticket: Label, Autre, Cloture, Changement, Conviction, Coordonnées, Enquête, Exclusion, Ferme rcp, Identifi. parentale, Intégration parentale, Logiciel, Motif, Déclar., Porte / Feu, Réceptionnaire tablette, Réassignation parentale, Suspension, 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

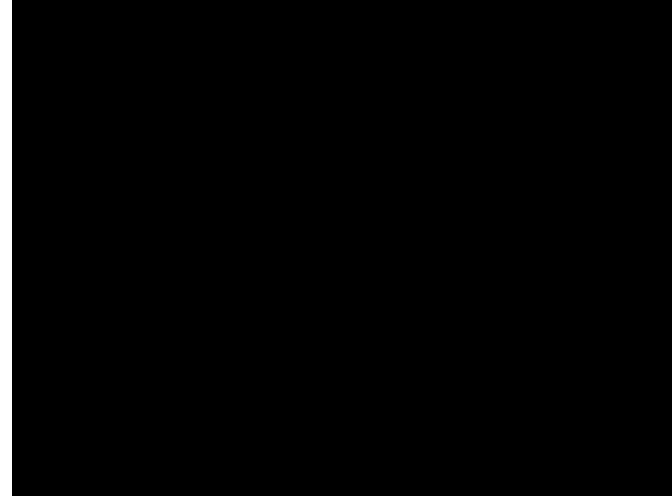
- 2500 panelists recruited in 2016
- More calls to do and letters to send
- More tablets and more incidents (tickets) to manage
- New range of tools





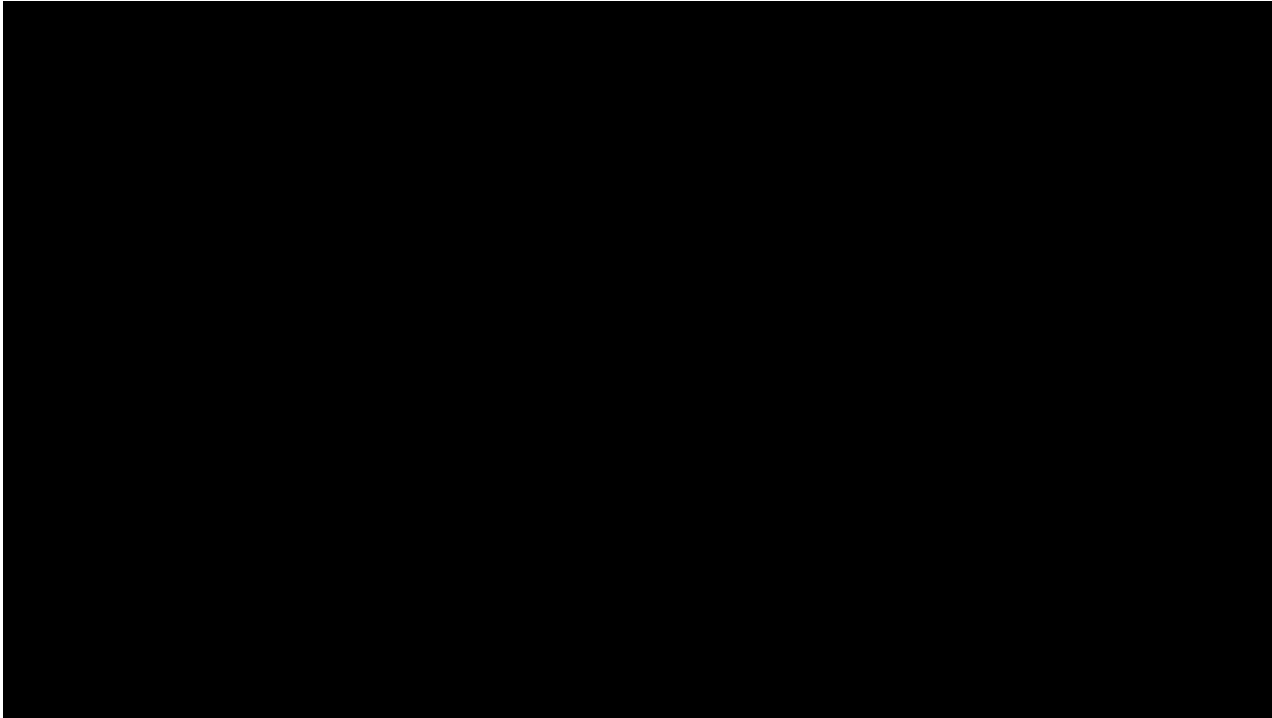
Sleeper's group and follow-up call

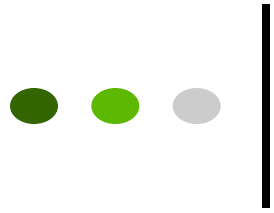
- Sleeper's group
- Massive follow-up call
- Necessity to see the follow-up outcome on the panelist page





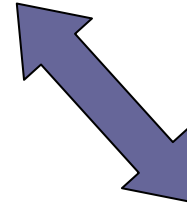
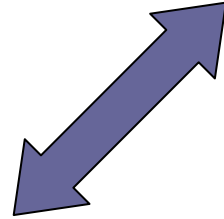
Follow up interface





Server

Web Page 1



Web Page 2

GÉNÉRAL GROUPEs 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 GROUPEs 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, Harnois

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!

elodie.petorin@sciencespo.fr
alexandre.chevallier@sciencespo.fr
charlotte.montcharmout@sciencespo.fr