

**Business Case : Mozaik
Members and Mandates of Political Party
Management (ONG, Community,)**

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04-06-2015



ecolo
acsone

The logo consists of two lines of text. The top line reads 'ecolo' in a lowercase, rounded, sans-serif font. The 'e' is a darker green, while the 'c', 'o', 'l', and 'o' are a lighter green. The bottom line reads 'acsone' in a lowercase, rounded, sans-serif font. The 'a', 'c', 's', and 'e' are grey, while the 'o' and 'n' are orange.

Ecolo loves Open Source

- I am Vincent Van Osta , work as an IT @ ecolo
- Ecolo is the « green » belgian political party
- Ecolo promote and use OSS --> Odoo
- Our new app by Acsonone, 600 person-days open-sourced
- github.com/acsonone/mozaik - Odoo 8 - AGPL

Who can benefit from this ? (I)

- Other political party, belgians or not : managing members, membership fees, supporters, politicians, representatives, electoral process, and complexes states and party structures
- medium to big NGO : managing members, supporters in sometimes complexes organisational structures
- public administrations : implementing our state structure module

Who can benefit from this ? (II)

Mr Stéphane Bidoul, from Acsonone will present the technical aspects of interesting Odoo features enhancements :

- partners with multi-email, multi-adresses, multi-phones, multi-partners's relationship
- duplicates detection and (in)validation
- creation of dynamic distribution lists with mass mailing features - based on multi-model search results

Structure : State Power Levels



State

- State Instances
- State Assemblies
- Electoral Districts
- Legislatures

Internal

- Internal Instances
- Internal Assemblies

External

- External Assemblies

Configuration

State

State Power Levels

State Power Levels

Create or Import

1-11 of 11

<input type="checkbox"/>	Name	Sequence
<input type="checkbox"/>	Europe	9
<input type="checkbox"/>	Fédéral	8
<input type="checkbox"/>	Région	7
<input type="checkbox"/>	Commission communautaire	7
<input type="checkbox"/>	Communauté	7
<input type="checkbox"/>	Province	6
<input type="checkbox"/>	Arrondissement	5
<input type="checkbox"/>	District communal	4
<input type="checkbox"/>	District provincial	4
<input type="checkbox"/>	Canton	3
<input type="checkbox"/>	Commune	2

Structure : State

Messaging Persons Structures Mandates Communication Knowledge More Administrator

State Assemblies

Create or Import 1-11 of 11

Assembly Category	State Instance
<input type="checkbox"/> Sénat	Etat fédéral (Fédéral)
<input type="checkbox"/> Chambre des Représentants	Etat fédéral (Fédéral)
<input type="checkbox"/> Parlement Régional	Région Bruxelloise (Région)
<input type="checkbox"/> Gouvernement régional	Région Bruxelloise (Région)
<input type="checkbox"/> Parlement Régional	Région wallonne (Région)
<input type="checkbox"/> Gouvernement régional	Région wallonne (Région)
<input type="checkbox"/> Députation permanente	Liège (Province)
<input type="checkbox"/> Conseil provincial	Liège (Province)
<input type="checkbox"/> Collège des bourgmestre et échevins	Huy (Commune)
<input type="checkbox"/> Conseil communal	Huy (Commune)
<input type="checkbox"/> Parlement Européen	Communeauté Européenne (Europe)

State


- State Instances
- State Assemblies**
- Electoral Districts
- Legislatures

Internal

- Internal Instances
- Internal Assemblies

External

- External Assemblies



Structure : State Hierarchy

State Instan... / Région Bruxelloise (Région)

Edit Create Attachment(s) More 3 / 12

Invalidate

Région Children

Région Bruxelloise

Parent State Instance	Etat fédéral (Fédéral)	Internal Instance	Bruxelles (Régional)
Secondary Parent State Instance			
External Identifier (INS)			

Creation Date 30/05/2014 23:55:10


Assemblies Electoral Districts

All Details

Assembly Category	
Parlement Régional	
Gouvernement régional	

Powered by

Structure : Internal (us, Ecolo)



State

- State Instances
- State Assemblies
- Electoral Districts
- Legislatures

Internal

- Internal Instances**
- Internal Assemblies

External

- External Assemblies

Configuration

- State
- Internal
 - Internal Power Levels


Internal Instances

1-12 of 12

[Create](#) or [Import](#)

<input type="checkbox"/>	Name	Internal Power Level
<input type="checkbox"/>	Ecolo Fédéral	Fédéral
<input type="checkbox"/>	Bruxelles	Régional
<input type="checkbox"/>	Bruxelles	Local
<input type="checkbox"/>	Ixelles	Local
<input type="checkbox"/>	Parlement wallon (PW)	Groupe parlementaire
<input type="checkbox"/>	Liège	Provincial
<input type="checkbox"/>	Huy-Waremme	Régional
<input type="checkbox"/>	Amay	Local
<input type="checkbox"/>	Huy	Local
<input type="checkbox"/>	Oreye	Local
<input type="checkbox"/>	Wanze	Local
<input type="checkbox"/>	Wanze-Amay-Oreye	Local

Partners : Many coordinates



Persons

- Natural Persons
- Legal Persons
- All Contacts

Email Coordinates

- Email Coordinates

Postal Coordinates

- Postal Coordinates
- Addresses
- Co-Residencies

Phone Coordinates

- Phone Coordinates
- Phones

Involvements

- Involvements


Relations

- Subject Relations
- Object Relations

Configuration

- Coordinate Categories
- Involvement Categories

Powered by **OpenERP**



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LHERMITTE Thierry

Lastname	LHERMITTE	Usual Lastname	BROCHANT
Firstname	Thierry	Usual Firstname	Pierre
Address	Rue Louis Maréchal 6/2B - 4360 Oreye	Phone	+32 61 41 12 32 (Fix)
Internal Instance	Amay (Local)	Mobile	+32 465 00 00 00 (Mobile)
		Fax	
		Email	thierry@gmail.com
Birthdate		Tongue	French
Gender		Employee	<input type="checkbox"/>
Creation Date	19/05/2014 09:52:52		

Internal Notes
Coordinates
Indexation
Involvements
Mandates
Relations

Email Coordinates

Email	Coordinate Category	Is Main	Unauthorized	VIP
thierry@gmail.com		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Partners : Coordinates tab

Internal Notes | **Coordinates** | Indexation | Involvements | Mandates | Relations

Email Coordinates

All Details

Email	Coordinate Category	Is Main	Unauthorized	VIP
thierry@gmail.com		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
titi@hotmail.com	Privée	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
brochant@gmail.com		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Postal Coordinates

All Details

Address	Coordinate Category	Is Main	Unauthorized	VIP
Rue Louis Maréchal 6/2B - 4360 Oreye		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grand-Place 5 - 4500 Huy		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Phone Coordinates

All Details

Partners : Indexation

- Co-Residencies
- Phone Coordinates
 - Phone Coordinates
 - Phones
- Involvements
 - Involvements
- Relations
 - Subject Relations
 - Object Relations
- Configuration
 - Coordinate Categories
 - Involvement Categories
 - Relation Categories
- ▶ Localization
 - Partner Tags
- ▶ Thesaurus
- ▶ Titles

INTERNAL INSTANCE: Amay (Local) Fax
Email: thierry@gmail.com

Birthdate: Tongue: French

Gender: Employee:

Creation Date: 19/05/2014 09:52:52

- Internal Notes
- Coordinates
- Indexation
- Involvements
- Mandates
- Relations

Competencies

AGRICULTURE - ALIMENTATION x \ Air \ ozone \ couche d'ozone x Terms...

Interests

\ Agriculture \ Modèle agricole \ Agriculture biologique x Terms...

Tags

Any_tag x Not_in_thesaurus x Tags...

Partners : Relations

Involvements

Relations

Subject Relations

Object Relations

Configuration

Coordinate Categories

Involvement Categories

Relation Categories

▸ Localization

▸ Partner Tags

▸ Thesaurus

▸ Titles

Creation Date: 19/05/2014 09:52:52

Internal Notes Coordinates Indexation Involvements Mandates **Relations**

Relations where the partner is the subject

[All Details](#)

Partner Relation Category	Object
is employee of	Nouvel Observateur (nouvelobs)
Add an item	

Relations where the partner is the object

[All Details](#)

Partner Relation Category	Subject
is webmaster for	DARCIS Steve
Add an item	

Partners : Mandates

- Object Relations
- Configuration
 - Coordinate Categories
 - Involvement Categories
 - Relation Categories
- ▶ Localization
- ▶ Partner Tags
- ▶ Thesaurus
- ▶ Titles

Internal Notes Coordinates Indexation Involvements **Mandates** Relations

State Mandate

All Details

Mandate Category	State Assembly	Start Date	Deadline Date	
Conseiller communal	Huy (Conseil communal)	03/12/2012	15/04/2014	
Bourgmestre	Huy (Collège des bourgmestre et échevins)	03/12/2012	15/04/2014	

Add an item

State Candidature

All Details

Mandate Category	State Assembly	Legislature	Status
Conseiller communal	Huy (Conseil communal)	Communale 2018	Non-Elected

Internal Mandate

All Details

Partners : Selection Committees


The screenshot displays the 'Comité sélection Huy' configuration page in the OpenERP system. The interface is divided into several sections:

- Sidebar:** Contains navigation menus for 'State' (Selection Committees, Candidatures, Mandates), 'Internal' (Selection Committees, Candidatures, Mandates), 'External' (Selection Committees, Candidatures, Mandates), and 'Configuration' (State, Internal, External). The 'Selection Committees' option under 'State' is highlighted.
- Main Configuration Area:**
 - Buttons: Edit, Create, Attachment(s), More (dropdown), In Progress, Close.
 - More dropdown menu options: Share, Embed, **Import candidatures** (highlighted), Delete, Duplicate.
 - Invalidate button.
 - Title: **Comité sélection Huy**
 - Field: Create Mandates after Election
 - Electoral District: Huy (Province)
 - State Assembly: Liège (Conseil provincial)
 - Legislature: Provinciale 2018
 - Mandate Category: Conseiller provincial
 - Start Date of Mandates: 26/10/2018
 - Deadline Date of Mandates: 25/10/2024
 - Designation Assembly: Liège (Assemblée provinciale)
 - Committee Meeting Date
 - Designation Date
 - Creation Date: 20/05/2014 12:27:23
- Candidates Table:**
 - Buttons: All Details, Accept, Refuse
 - Table with columns: #E, #S, Candidate Name, Status, and action icons (checkmark and X).

#E	#S	Candidate Name	Status	✓	✗
	1	DARCIS Steve	Declared	✓	✗
	1	della SIGNORIA Carmelita	Declared	✓	✗

Powered by **OpenERP**

Partners : Candidatures



State Candi... / DARCIS Steve Conseiller provincial

Attachment(s) ▾
More ▾
5 / 7
◀ ▶ ☰

Candidature: Conseiller provincial

DARCIS Steve

Candidate Name	DARCIS Steve	Designation Assembly	Liège (Assemblée provinciale)
Selection Committee	Comité sélection Huy Huy (Province) (26/10/2018)		
Electoral District	Huy (Province)		
State Assembly	Liège (Conseil provincial)		
Legislature	Provinciale 2018		
Effective	<input checked="" type="checkbox"/>	Substitute	<input type="checkbox"/>
Position on Effectives List	1		
Creation Date	02/06/2014 23:22:33		

- State
 - Selection Committees
 - Candidatures**
 - Mandates
- Internal
 - Selection Committees
 - Candidatures
 - Mandates
- External
 - Selection Committees
 - Candidatures
 - Mandates
- Configuration

Break the axiom...

... one contact ...

=

only ONE email

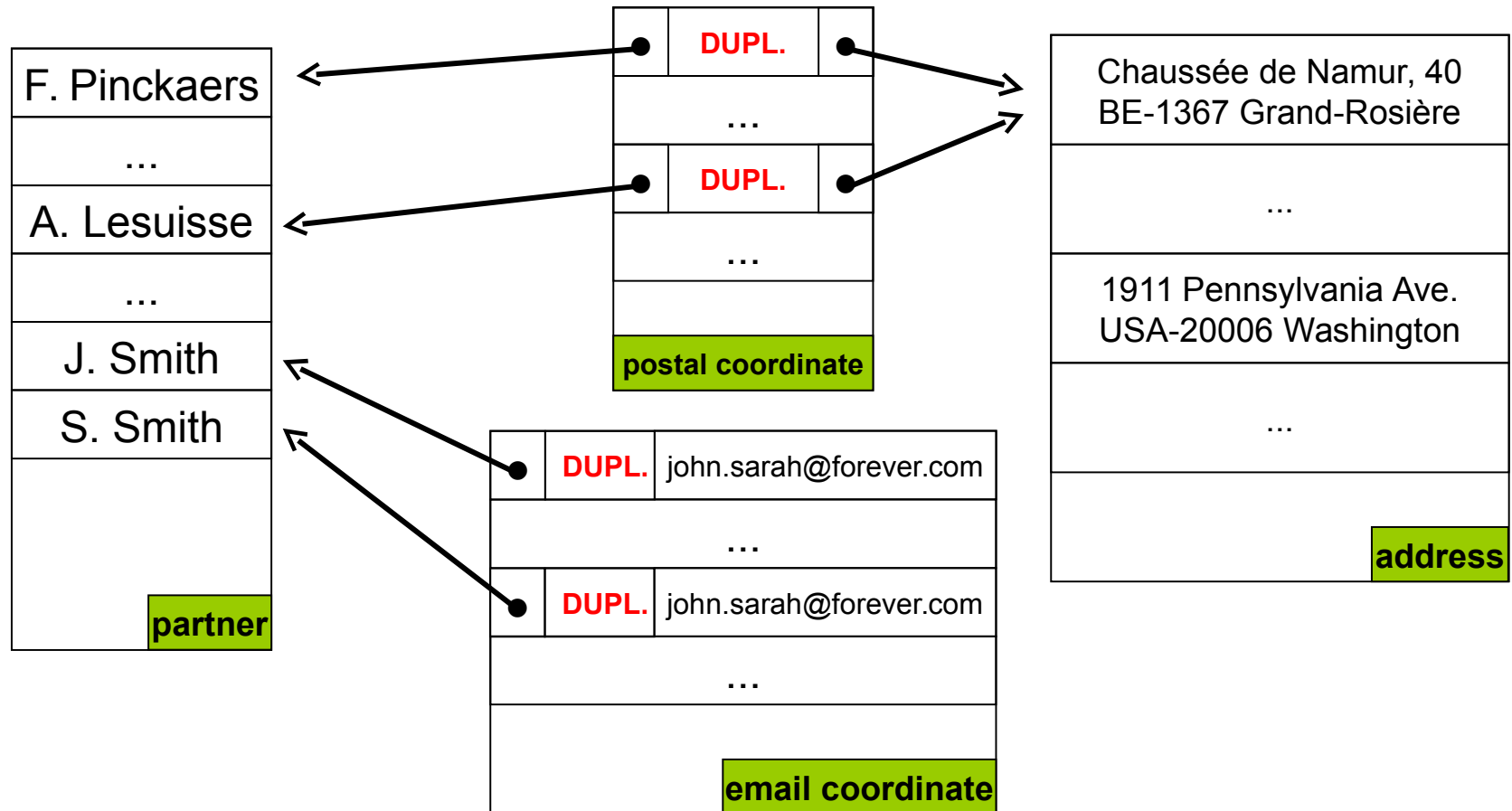
only ONE address

only ONE phone, ONE fax, ONE mobile !

... but also ...

- Detecting suspicious coordinate duplicates
- Allowing false duplicates (couple, co-residents, co-workers, ...) to share the same coordinate
- Replicating the main coordinate on the contact
- Executing mass functions (mass mailing, labels printing, ...) based on criteria defined on different models (not only partner) and targeting all coordinates (not only the main coordinate)

Detecting suspicious duplicates (I/II)



Detecting suspicious duplicates (I/II)

Postal Coordinates 🔍

Create or Import 1-3 of 3

<input type="checkbox"/>	Contact	Address	Coordinate Category	Is Main	Unauthorized	VIP
<input type="checkbox"/>	LESUISSE Antony	Chaussée de Namur 40 - 1367 Grand-Rosière	Professional	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	PINCKAERS Fabien	Chaussée de Namur 40 - 1367 Grand-Rosière	Professional	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	SMITH John	Pennsylvania Ave. 1911 - Washington - United States	Private	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Suspicious: same coordinate, ≠ contacts

Email Coordinates 🔍

Create or Import 1-4 of 4

<input type="checkbox"/>	Contact	Email	Coordinate Category	Is Main	Unauthorized	VIP
<input type="checkbox"/>	LESUISSE Antony	al@openerp.com	Professional	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	PINCKAERS Fabien	fp@openerp.com	Professional	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	SMITH John	john.sarah@forever.com	Private	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	SMITH Sarah	john.sarah@forever.com	Private	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Allowing false duplicates

Postal Coordinates Q

Create or Import Attachment(s) More 1-3 of 3

<input type="checkbox"/>	Contact	Address	Category	Is Main	Unauthorized	VIP
<input checked="" type="checkbox"/>	LESUISSE Antony	Chaussée de Namur 40 - 1367 Grand-Rosière		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	PINCKAERS Fabien	Chaussée de Namur 40 - 1367 Grand-Rosière		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	SMITH John	Pennsylvania Ave. 1911 - Washington - United States		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Share
- Embed
- Export
- Delete
- Allow Duplicates



Postal Coordinates Q

Create or Import 1-3 of 3

<input type="checkbox"/>	Contact	Address	Coordinate Category	Is Main	Unauthorized	VIP
<input type="checkbox"/>	LESUISSE Antony	Chaussée de Namur 40 - 1367 Grand-Rosière	Professional	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	PINCKAERS Fabien	Chaussée de Namur 40 - 1367 Grand-Rosière	Professional	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	SMITH John	Pennsylvania Ave. 1911 - Washington - United States	Private	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Replication of the main coordinates

Postal Coordinates Contact SMITH John x

Create or Import 1-2 of 2

<input type="checkbox"/>	Contact	Address	Coordinate Category	Is Main	Unauthorized	VIP
<input type="checkbox"/>	SMITH John	Pennsylvania Ave. 1911 - Washington - United States	Private	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	SMITH John	Pennsylvania Ave. 1600 - Washington - United States	Professional	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





SMITH John

<table border="1"> <tr> <td>Lastname</td> <td>SMITH</td> </tr> <tr> <td>Firstname</td> <td>John</td> </tr> </table>	Lastname	SMITH	Firstname	John	<table border="1"> <tr> <td>Usual Lastname</td> <td></td> </tr> <tr> <td>Usual Firstname</td> <td></td> </tr> </table>	Usual Lastname		Usual Firstname					
Lastname	SMITH												
Firstname	John												
Usual Lastname													
Usual Firstname													
<table border="1"> <tr> <td>Address</td> <td>Pennsylvania Ave. 1911 - Washington - United States</td> </tr> <tr> <td>Internal Instance</td> <td></td> </tr> </table>	Address	Pennsylvania Ave. 1911 - Washington - United States	Internal Instance		<table border="1"> <tr> <td>Phone</td> <td></td> </tr> <tr> <td>Mobile</td> <td></td> </tr> <tr> <td>Fax</td> <td></td> </tr> <tr> <td>Email</td> <td>john.sarah@forever.com</td> </tr> </table>	Phone		Mobile		Fax		Email	john.sarah@forever.com
Address	Pennsylvania Ave. 1911 - Washington - United States												
Internal Instance													
Phone													
Mobile													
Fax													
Email	john.sarah@forever.com												

**Community module:
partner_firstname**

Mass mailing on several models


How to execute a mass function based on criteria of different source models avoiding to repeat the same operation on each model ?



Src. Model	Domain	Exclusive ?
Model 1	[("field_a", "op", x), ("field_b", "op", y)]	<input type="checkbox"/>
Model 2	[("field_c", "op", z), ...]	<input type="checkbox"/>
Model 3	[(...)]	<input checked="" type="checkbox"/>
...		
Distribution List		

Acsonone public module :
distribution_list

Distribution List ...

Distribution... / Employé ECOLO (ASS2013) 

Edit

Create

Attachment(s) ▾

More ▾



Employé ECOLO (ASS2013)

Filters to include

Name	Source Model
Employé Ecolo francophones	Virtual Partner Instance
Assemblée 2013-Amay	Virtual Partner Involvement

Filters to exclude

Name	Source Model
webmasters	Virtual Partner Relation

... and filters

Open: Filter To Include ×

[See Filter Result](#)

Name	Employé Ecolo francophones
Source Model	Virtual Partner Instance

Expression

Expression	[['employee', '!=', 0], ['tongue', '=', 'f']]
-------------------	---

[Define New Expression](#)

[Close](#)

Test a Distribution List

or [Import](#)
1-1 of 1  

<input type="checkbox"/>	Name		
<input type="checkbox"/>	Employé ECOLO (ASS2013)		







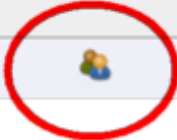
Distribution ... / Result of **Employé ECOLO (ASS2013)** Distribution List

1-3 of 3

<input type="checkbox"/>	Partner	Email Coordinate	Email Unauthorized	Postal Coordinate	Postal Unauthorized
<input type="checkbox"/>	BROCHANT Pierre (LHERMITTE Thierry)	thierry@gmail.com	<input type="checkbox"/>	Rue Louis Maréchal 6/2B - 4360 Oreye	<input type="checkbox"/>
<input type="checkbox"/>	ADJANI Isabelle	isabelle@ficep-ec.be	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/>	TESTUD Sylvie		<input type="checkbox"/>	Avenue Albert Brachet 12 - 1020 Bruxelles	<input type="checkbox"/>

Execute a Distribution List (I/II)

or [Import](#)
1-1 of 1  

<input type="checkbox"/>	Name		
<input type="checkbox"/>	Employé ECOLO (ASS2013)		 


Mass Function x


Debug View#469 ▼

Sending Mode ▼ Email Coordinate


Mass Function ▼ Mass Mailing

Mass Mailing

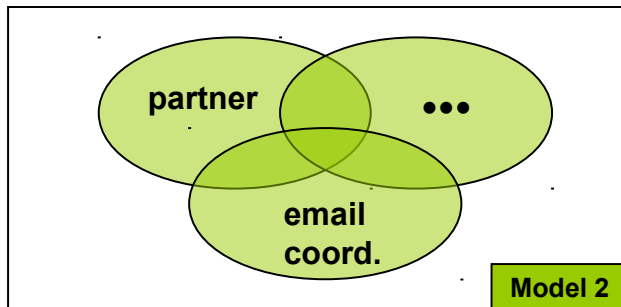
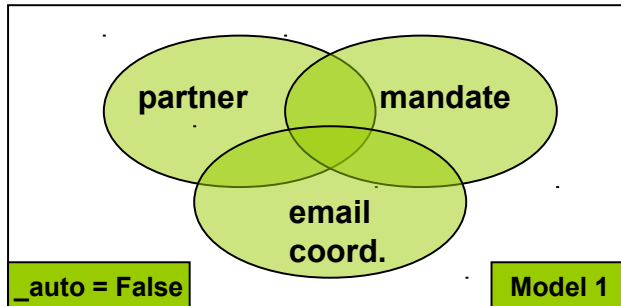
Email Template ▼ Feedback Ass. 2013 

Mail Campaign ▼ Mail 2014 

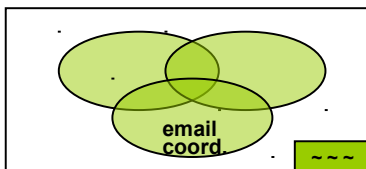
or



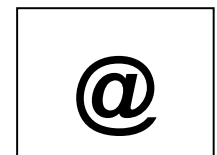
Execute a Distribution List (I/II): Mass mailing



...



[email coordinates ids] + Mail template



Interested?

- Download : github.com/acsonone/mozaik
- AGPL
- Generic features isolated and compatible
- Get in touch!
 - vincent.vanosta@ecolo.be
 - stephane.bidoul@acsone.eu
 - olivier.laurent@acsone.eu