

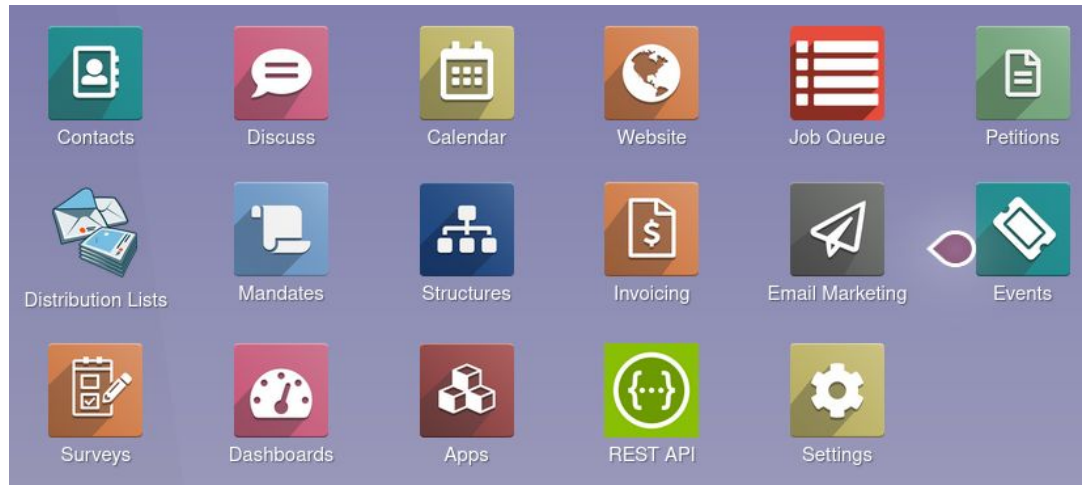
ecolo



# Mozaik

Managing Political Parties & NGO with open source

OCA Days - 11-10-2022



# Agenda



- ❖ Introduction
- ❖ What is Mozaik ?
- ❖ Why Mozaik ?
- ❖ Mozaik history
- ❖ Major functionalities
- ❖ Who is concerned by Mozaik ?
- ❖ Future of Mozaik

# Introduction



## ❖ Vincent Van Osta

- Initiator of Mozaik project,  
Head of IT Department @ **Ecolo**
- Ecolo is the « green » belgian political party
- Ecolo promotes and uses OSS --> Odoo

## ❖ Guillaume Vandamme

- Business Analyst and PM @ **Acsone**
- Project Manager Mozaik



# What is Mozaïk ?



- ❖ Suite of open source Odoo modules
- ❖ Software to manage political parties and NGOs, mobilize supporters, raise money, organize campaigns
  - Members, membership fees, supporters, volunteers
  - Complex state and party structures
  - Representatives and their mandates
  - Communication
  - Events / Petitions / Surveys
  - Automations
  - Fundraising
  - Local chapters
- ❖ Available in Community and Enterprise version

# Why Mozaik ?



- ❖ No existing software met all our needs:
  - Control who accesses our members and supporters datas
  - Promote a data decentralization model
  - Have good campaign tools
  - Connect to external website
- ❖ The alternatives :
  - No “On premise” option for Nation Builder, Action Network...
    - Big Targets concentrating datas about millions of people in many countries
    - Datas are in the USA, outside the European GDPR protection
  - CiviCRM is selhostable but lack campaigning tools



# Mozaïk history



- ❖ 2013 : after a submission process, **Ecolo** has chosen **Acsone** and Odoo v8 to build Mozaïk, as an AGPL open source project, to replace an aging inhouse database devs
- ❖ 2014: Mozaïk is on Github
- ❖ 2018: The “Mouvement Reformateur” (center right) adopts Mozaïk, migration to Odoo 11
- ❖ 2021: “Les Engagés” (centrist) adopts Mozaïk, migration to Odoo 14 Community version, new campaigning modules
- ❖ 2022: “Groen” (flemish greens) adopts Mozaïk



# Major functionalities



- ❖ Follow-up of your supporters & members
  - Membership workflow
  - Membership fees
  - Membership renewals
  - Automatic emails to fraction leaders with new members
  - Online payments
  - Interests
  - Involvements

# Membership process - Website

← → ↻ 🏠 🔒 https://ecolo.be/je-participe/ 90% ☆ 🔍 Rechercher

**ecolo** 🔍 **PARTICIPER** **DEVENIR MEMBRE**

ACTUALITÉS IDÉES REPRÉSENTANTS LE PARTI PRÈS DE CHEZ VOUS CJM CONTACT

**Je suis intéressé-e par le niveau : \***

- Fédéral
- Local/régional (ma commune/mon arrondissement)

**A ce stade, je suis désireux-se de : \***

- Soutenir Ecolo et recevoir des informations sur son travail

**Mais aussi de :**

- Participer avec vous sur le terrain lors des rencontres, actions, manifestations
- Participer sur les Réseaux Sociaux en relayant ou en apportant ma contribution
- Participer aux débats lors des réunions, conférences ou en prenant part aux groupes de travail

**J'ai moins de 35 ans**

- et je souhaite être informé-e des activités d'EcoloJ (<https://ecoloj.be>)

**Suivant**



# Membership process - Website Form



PARTICIPER

DEVENIR

ACTUALITÉS

IDÉES

REPRÉSENTANTS

LE PARTI

PRÈS DE CHEZ VOUS

CJM

## Vos informations

Vincent

Van Osta

vincent.vanosta@ecolo.be

vincent.vanosta@ecolo.be

## Date de naissance \*

13-02-1980

## Genre

Femme

Homme

Autre

## Vos coordonnées

rue de la Cité

Boite

100

1000

Bruxelles

 +32

Retour

Suivant



# Membership process - pay online



## Païement cotisations

Référence: +++92 [redacted] 01+++

Montant: 1,00 €

Bancontact ou Carte de crédit (fourni par Stripe)



Paypal

Virement bancaire

Transfer information will be provided after choosing the payment acquirer.

Payer



# Membership requests



Contacts | Contacts | Postal Coordinates | Relations | Memberships | Involvements | + | 183 | Van Osta Vincent (mozaik14-prod)

**Membership Requests** | Search... | Filters | Group By | Favorites | 1-5 / 5

<input type="checkbox"/>	Name	Firstname	Request Type	Partner	Internal Instance (real)	Is a Company	State
<input type="checkbox"/>	Van Osta	Vincent	Member	-Van Osta Vincent	1 record	<input type="checkbox"/>	Draft
<input type="checkbox"/>		Santiago	Member		1 record	<input type="checkbox"/>	Draft
<input type="checkbox"/>		Joel	Member		1 record	<input type="checkbox"/>	Draft
<input type="checkbox"/>		P...ca	Member		1 record	<input type="checkbox"/>	Draft
<input type="checkbox"/>		Inger	Member		1 record	<input type="checkbox"/>	Confirmed



# Membership request



**Contacts** | Contacts | Postal Coordinates | Relations | Memberships | Involvements | Thesaurus Terms | + | 183 | Van Osta Vincent (mozaik14-prod)

### Membership Requests / Van Osta Vincent

[Edit](#) [+ Create](#) [Action](#) 1 / 5 [<](#) [>](#)

[Confirm](#) [Draft](#) [Confirmed](#) [Done](#)

# 217 ( ~~Member~~ Member )

<b>Name</b>	Van Osta	<b>Request Type</b>	Member
<b>Firstname</b>	Vincent	<b>Newsletters (opt-in)</b>	
		<b>Newsletters (opt-out)</b>	
<b>Birth Date</b>	13 / 2 / 1980	<b>Phone</b>	
<b>Gender</b>	Male	<b>Mobile</b>	+32
<b>Nationality</b>		<b>Email</b>	vincent.vanosta@ecolo.be
		<b>Force global opt-out</b>	<input type="checkbox"/>
		<b>Force global opt-in</b>	<input type="checkbox"/>
<b>Country</b>	Belgium	<b>City</b>	1000 Bruxelles
<b>Reference Street</b>		<b>Number</b>	100
<b>Street</b>	rue de la Cité	<b>Box</b>	
<b>Street2</b>		<b>Sequence</b>	0
<b>Notes</b>			

[Partner](#) | [Involvements](#) | [Indexation](#) | [Coordinates](#) | [Payment](#) | [Changes](#)

<b>Partner</b>	217-Van Osta Vincent	<b>Internal Instance</b>	ECOLO Bruxelles-Ville (Local)
<b>Birth Date</b>	13/02/1980	<b>Internal Instance (to Force)</b>	
<b>Age</b>	42		



# Membership history



contacts | Contacts | Postal Coordinates | Relations | Memberships | Involvements | Thesaurus Terms | Configuration | 182 | Van Osta Vince

Van Osta Vince (Van Osta Vincent)

0.00 € Invoiced | 0 Relations | 38 Journal Items

# (Member) | State Representative | **Van Osta Vincent**

Address: Avenue Albert 100 - 1000 Bruxelles | Phone: +32 25 45 85  
 Co-Residency: | Mobile: +32 477 88 66 99  
 VAT: | Global opt-out:   
 Instances: ECOLO Bruxelles-Ville (Local) | Email: vincent.vanosta@ecolo.be  
 Language: English | Employee:   
 Is Duplicate Detected:  => Show all duplicates

Invoicing | Internal Notes | Personal Information | Indexation | User | Mandates | Involvements | Communication | **Memberships**

Add subscription | Exclude | Resignation | Membership Requests

Local Voluntary  | Regional Voluntary  | National Voluntary

Subscription: C 2016 cohabitant


Internal Instance	State	Subscription	Reference	Price	Paid	From	To	
ECOLO Bruxelles-Ville (Local)	Member	C 2016 cohabitant		0.00	<input checked="" type="checkbox"/>	09/10/2022		Update product/price
ECOLO (Local)	Member	C 2016 cohabitant	+++922	0.00	<input checked="" type="checkbox"/>	05/01/2022	09/10/2022	
ECOLO (Local)	Member	C 2016 cohabitant	+++921	25.00	<input checked="" type="checkbox"/>	22/02/2021	05/01/2022	
ECOLO (Local)	Member	C 2016 cohabitant	+++920	25.00	<input checked="" type="checkbox"/>	08/01/2020	22/02/2021	
ECOLO (Local)	Member	C 2016 cohabitant	+++919	25.00	<input checked="" type="checkbox"/>	27/12/2018	08/01/2020	
ECOLO (Local)	Member	C 2016 cohabitant	+++918	25.00	<input checked="" type="checkbox"/>	11/01/2018	27/12/2018	
ECOLO (Local)	Former Member Committee	C 2016 cohabitant	+++917	25.00	<input checked="" type="checkbox"/>	12/12/2017	11/01/2018	



# Indexation



# [redacted] ( Member )  
⇒ State Representative  
**Van Osta Vincent**



**Address** Avenue Albert 100 - 1000 Bruxelles   
**Co-Residency**  
**VAT**  
**Instances**

**Phone** +32 25 45 85  
**Mobile** +32 477 88 66 99  
**Global opt-out**   
**Email** vincent.vanosta@ecolo.be  
**Language** English   
**Employee**   
**Is Duplicate Detected**  ⇒ Show all duplicates

[Invoicing](#) [Internal Notes](#) [Personal Information](#) **[Indexation](#)** [User](#) [Mandates](#) [Involvements](#) [Communication](#) [Memberships](#)

**Competencies**

Term	Main Term
Numérique - Réseaux sociaux - Vie privée	<input type="checkbox"/>

**Interests**

Term	Main Term
Asile - Migration	<input type="checkbox"/>
Genre - Egalité des genres	<input type="checkbox"/>
Gouvernance - Démocratie	<input type="checkbox"/>
International	<input type="checkbox"/>
Numérique - Réseaux sociaux - Vie privée	<input type="checkbox"/>
Questions éthiques - De société (fin de vie, droits de l'homme, ...)	<input type="checkbox"/>
Santé - Soins de santé	<input type="checkbox"/>

**Comments**  
Offered to help with the Free Software program (@info 2018/05/14)



# Involvements

UKY 17 0 2 (Invoicing & ready)

Contacts | Contacts | Postal Coordinates | Relations | Memberships | **Involvements** | Thesaurus Terms | Configuration | 182 | Van Osta Vince

Van Osta Vince / 2 | -Van Osta Vince (Van Osta Vincent)

Edit | + Create | Action

Modification Request

## Van Osta Vincent

Address: Avenue Albert 100 - 1000 Bruxelles [Change address](#)

Phone: +32 25 45 85  
 Mobile: +32 477 88 66 99

Co-Residency  
 VAT  
 Instances: ECOLO Bruxelles-Ville (Local)

Global opt-out:   
 Email: vincent.vanosta@ecolo.be  
 Language: English   
 Employee:

Is Duplicate Detected:  => Show all duplicates

Invoicing | Internal Notes | Personal Information | Indexation | User | Mandates | **Involvements** | Communication | Memberships

[Donations](#) [All Involvements](#)

Is a donor:  | Is a volunteer:

[Add a new Involvement](#)

Involvement Category	Type	Involvement Date (Creation)
Fait partie de		30/07/2021 16:54:37
AG - 2020 Participation gvt FEDERAL		30/09/2020 19:00:00
UVEN 1		11/05/2020 15:51:58
Contacts processus interculturelité 2020		15/04/2020 00:46:55
Pétition Congé de Paternité 201911 - signataire	Petition	05/11/2019 00:32:00
Veut suivre dossier Congé Paternité		05/11/2019 00:32:00
AG - 2019 Participation WAL/FWB		08/10/2019 12:16:22
AG - 2019 Election		26/09/2019 16:12:18
candidats 20 sans portail (ni 1, ni 2)		24/09/2018 23:44:02
Pétition Visites Domiciliaires 2018	Petition	31/01/2018 17:25:41
Veut suivre dossier Visites Domiciliaires		31/01/2018 17:25:41
abonné Lettre Info Ecolo Fédéral		31/01/2018 17:25:41
Don en ligne	Donations Campaign	17/01/2018 22:31:49



# The structure module



- ❖ State structure
  - Regions - Cities - States - District... you name it
  - Assemblies
  - Electoral districts
  - Legislatures
- ❖ Internal structure (your organization)
  - Instances
  - Internal Assemblies
- ❖ External structure (other organisations)





# Configure Power Levels



Browser address bar: <https://mozaik.ecolo.lan/web?#a> Recherche

Navigation: Structures Of the State Internal + 183 Van Osta Vincent (mozaik14-prod)

**State Power Levels** Search... 1-13 / 13

<input type="checkbox"/>	Name	Sequence ▲
<input type="checkbox"/>	Européen	9
<input type="checkbox"/>	Fédéral	8
<input type="checkbox"/>	Communauté	7
<input type="checkbox"/>	Région	7
<input type="checkbox"/>	Commission communautaire	7
<input type="checkbox"/>	Province	6
<input type="checkbox"/>	Luxembourg	5
<input type="checkbox"/>	Arrondissement	5
<input type="checkbox"/>	Bruxelles	5
<input type="checkbox"/>	District provincial	4
<input type="checkbox"/>	Canton	3
<input type="checkbox"/>	Commune	2
<input type="checkbox"/>	District communal	1



# Hierarchical structures



**Structures** Of the State Internal External Configuration 183 Van Osta Vincent (mozaik14-prod)

State Instances  
/ Région de Bruxelles-Capitale (Région)

Edit + Create Action 1 / 3 < >

Instances Assemblies Electoral Districts

## Région de Bruxelles-Capitale

<b>Power Level</b>	Région	<b>Internal Instance</b>	Conseil Régional Bruxellois (CRB) (Fédéral)
<b>Parent Instance</b>	Etat fédéral (Fédéral)		
<b>Secondary Parent Instance</b>			
<b>External Identifier (INS)</b>			
<b>Create Date</b>	10/01/2015 22:46:57		

Assemblies Electoral Districts More Info

**Category**

- Conseil régional
- Gouvernement régional
- Parlement régional

# Major functionalities



- ❖ Follow-up of the mandates of your members
  - Mandate categories
  - Political, internal & external mandates
  - Renewals
  - Revenue / Assets declaration
  - Committees / Elections / Candidates

# Mandates



Contacts | Contacts | Postal Coordinates | Relations | Memberships | Involvements | Thesaurus Terms | Configuration | 182 | Van Osta Vince

7-Van Osta Vince (Van Osta Vincent)

Modification Request

Language: English

Employee:

Is Duplicate Detected:  => Show all duplicates

Invoicing | Internal Notes | Personal Information | Indexation | User | **Mandates** | Involvements | Communication | Memberships

Don't show mandates on website:

State Mandates All Details

Add a new State Mandate

Mandate Category	State Assembly	Start Date	Deadline Date
Bourgmestre	Bruxelles (Collège des bourgmestre et échevins)	01/03/2019	28/02/2025

State Candidatures All Details

Mandate Category	State Assembly	Legislature	Status

Internal Mandates All Details

Add a new Internal Mandate

Mandate Category	Internal Assembly	Start Date	Deadline Date
C: Participant	2021 Commission (Commission)	14/12/2021	30/12/3000
E: Responsable	Ecolo Fédéral (GRH)	01/01/2020	31/12/3000
Co-président-e local-e	ECOLC (Coprésidence locale)	22/05/2018	31/12/3000

Internal Candidatures All Details



# Major functionalities



State Mandates / Khattabi Zakia (Ministre fédéral)

Save Discard

7 / 23 < >

<b>Representative</b>	Khattabi Zakia	<b>Mandate Category</b>	Ministre fédéral	
		<b>State Assembly</b>	Etat fédéral (Gouvernement fédéral)	
		<b>Legislature</b>	Législatives (2019-2024)	
		<b>Retrocession Mode</b>	Monthly	
<b>Designation Assembly</b>	Ecolo Fédéral (Assemblée générale)			
<b>Dates</b>	Indexation	Revenue	Visible on website	
<b>Create Date</b>	02/10/2020 09:38:54		<b>Start Date</b>	01/10/2020
		<b>Deadline Date</b>	26/05/2024	

Send message Log note

0 Follow 0



# Major functionalities



Name

President election

Mandate Category

Autre fonction de la Section locale

Internal Instance

Internal Assembly

Liege Commune



Designation

Assembly

National Groupe Chambre

Mandates Start Date

11/01/2022

Designation Date

Mandates Deadline  
Date

10/30/2025

Candidatures

Note

All Details

Add a new Candidature

Designate

Non-Elect

Candidate

Status

600023196-Groulard Quentin

Designated

Back to Declared Elect Non-Elect

600023192-Guillaume Vandamme

Designated

Back to Declared Elect Non-Elect



# Major functionalities



- ❖ Fluent and targeted communication
  - Dynamic distribution lists
  - Complex expressions (ex: time related)
  - Combinaison of filters (include/exclude)
  - Static opt-in / opt-out
  - Multi-model search engine
  - Email alias / Catchall

# Major functionalities



List result

Without Coordinate

## Female members or supporters in Brussels without political mandate

Target Model  
Newsletter

Company | Ecolo Service Fichiers

Mail Forwarding

Email Alias | female-members-or-supporters-in-brussels-without-political-mandate@ecolo.be  
Diffusion partner | 102575-Ecolo Fédéral

Create Date | 07/10/2022 16:45:12

Notes  Filters to Include  Filters to Exclude  Technical  Security

Name	Model	
Female Members in Brussels	Partner/Membership	Result  Without Coordinate
Female supporters in Brussels	Partner/Membership	Result  Without Coordinate





# Major functionalities



## ❖ Events / Surveys

- Voting domains
- Recognition of members
- Filling of information based on answers to survey questions
- Automatic capture of interests
- Automatic capture of involvements
- Synchronization with external website
- Formatted export
- Security

# Major functionalities



## ❖ Petitions

- Number of signatures
- Automatic capture of interests
- Automatic capture of involvements
- Synchronization with external website
- Security

# Petitions module

182 Van Osta Vince


Petitions / For the ban of endocrine disruptors in Belgium

9 / 9

Draft Online Not Acti

3 Attendees

## For the ban of endocrine disruptors in Belgium



<b>Responsible</b>	Van Osta Vincent	<b>Interests</b>	Santé - Soins de santé
<b>Date</b>	01/10/2022 → 31/12/2022	<b>Accept membership requests</b>	<input checked="" type="checkbox"/>
<b>Template</b>	Modèle général	<b>Website Domains</b>	ecolo.be
<b>Publish Date</b>	02/08/2022		
<b>URL</b>			
<b>Visible on website</b>	<input checked="" type="checkbox"/>		
<b>Headline</b>	<input type="checkbox"/>		
<b>Involvement</b>	Petition endocrine disruptor		
<b>Category</b>			

Description Summary Partners Milestones Communications Questions Security Notes

### Let's protect our health from dangerous chemical substances!

Endocrine disruptors are chemical substances that affect us all because they are found in a multitude of products of our daily life (food, cosmetics, cleaning products, packaging, fabrics, etc.), and which are at the origin various serious illnesses (diabetes, attention disorders, cancers, etc.).

We cannot resolve to fatalism. Even less to give up in the face of the diktat of the big chemical and petro-chemical groups. The successful fight against the presence of bisphenol A in baby bottles has proven this.

**ECOLO proposes the total ban of endocrine disruptors at the end of 5 years while promoting alternatives. In the meantime, we want to develop a general information policy and a labeling obligation for products containing proven or suspected endocrine disruptors.**



# Petitions module : add questions



## For the ban of endocrine disruptors in Belgium



<b>Responsible</b>	Van Osta Vincent	<b>Interests</b>	Santé - Soins de santé
<b>Date</b>	01/10/2022 → 31/12/2022	<b>Accept membership requests</b>	<input checked="" type="checkbox"/>
<b>Template</b>	Modèle général	<b>Website Domains</b>	ecolo.be
<b>Publish Date</b>	02/08/2022		
<b>URL</b>			
<b>Visible on website</b>	<input checked="" type="checkbox"/>		
<b>Headline</b>	<input type="checkbox"/>		
<b>Involvement Category</b>	Petition endocrine disruptor		

- Description
- Summary
- Partners
- Milestones
- Communications
- Questions**
- Security
- Notes

Title	Type	Is Mandatory	Answers
Keep me informed of Ecolo's activities	Tickbox	<input type="checkbox"/>	
<a href="https://ecolo.be/mentions-legales-et-protection-de-la-vie-privee/">I accept the privacy policy </a>	Tickbox	<input checked="" type="checkbox"/>	

# Petitions module : auto emails



## For the ban of endocrine disruptors in Belgium



**Responsible** Van Osta Vincent  
**Date** 01/10/2022 → 31/12/2022  
**Template** Modèle général  
**Publish Date** 02/08/2022  
**URL**  
**Visible on website**   
**Headline**   
**Involvement Category** Petition endocrine disruptor

**Interests** Santé - Soins de santé  
**Accept membership requests**   
**Website Domains** eco10.be

Description Summary Partners Milestones **Communications** Questions Security Notes

Email Template	Interval	Unit	Trigger	Sent
Thank you for joining us	1	Immediately	After each signature	<input checked="" type="checkbox"/>
Here is the result of the petition	1	Days	After the petition	<input type="checkbox"/>

# Petition module : sync & publish



ecolo



PARTICIPER

DEVENIR MEMBRE

ACTUALITÉS

IDÉES

REPRÉSENTANTS

LE PARTI

PRÈS DE CHEZ VOUS

CJM

CONTACT



← Toutes les pétitions

## FOR THE BAN OF ENDOCRINE DISRUPTORS IN BELGIUM

10 octobre 2022



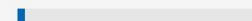
### Let's protect our health from dangerous chemical substances!

Endocrine disruptors are chemical substances that affect us all because they are found in a multitude of products of our daily life (food, cosmetics, cleaning products, packaging, fabrics, etc.), and which are at the origin various serious illnesses (diabetes, attention disorders, cancers, etc.).

We cannot resolve to fatalism. Even less to give up in the face of the diktat of the big chemical and petro-chemical groups. The successful fight against the presence of bisphenol A in baby bottles has proven this.

**ECOLO proposes the total ban of endocrine disruptors at the end of 5 years while promoting alternatives. In the meantime, we want to develop a general information policy and a labeling obligation for products containing proven or suspected endocrine disruptors.**

Déjà **3 signatures**, en avant vers les **100** !



Oui je signe

Les champs marqués d'une \* sont obligatoires.

Nom \*\*

Prénom \*\*

Email \*\*

Mobile

Code postal

Keep me informed of Ecolo's activities

I accept the [privacy policy](#) \*

Signer



# Security - API - Proxification



- ❖ Mozaïk is designed with special concern to security
- ❖ Mozaïk can be fully functional behind a VPN
  - Odoo supports proxification to expose some urls on Internet and keep the others in the LAN
- ❖ We developed specific REST API's to communicate strictly what is really needed.  
No access to general purpose API !
- ❖ We did go further : two different API channels
  - One, proxified, accesible from the internet for non sensitive data communication
  - Another, only accessible in the LAN, for sensitive data communication in specific case



# Who is concerned by Mozaïk ?



- ❖ Mainly political parties - anywhere in the world
- ❖ Medium to big NGO's
  - Members / Supporters
  - Interests / Involvements
  - Complex organizational structure
  - Communication features
- ❖ State administrations
  - State & internal structure modules
- ❖ Any kind of organization
  - CRM features
  - Communication features



# Future of Mozaïk



- ❖ Participative democracy
  - Suggestion boxes
  - Electoral consultations - votes
  - Referendums
- ❖ Portal access for members
- ❖ Improve retrocession rules
- ❖ Accounting modules



Q/A ?

<https://github.com/mozaik-association/mozaik>

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**acsone**

Guillaume Vandamme  
guillaume.vandamme@acsone.eu