



Decision Deck

Latest news

Patrick Meyer, Miłosz Kadziński, Vincent Mousseau,
Brice Mayag, Sébastien Bigaret, Alexandru Olteanu, Olivier Cailloux

- A **consortium** of international researchers (since 2006)
- Developing Free/Libre **software tools** to support the MCDA process
- Aimed at 3 types of users (at least):
 - MCDA “**consultants**” (support in real-world decision problems)
 - **Teachers** (support in courses)
 - **Researchers** (dissemination, comparison, ...)



diviz: a showcase of our activities

Decision Deck ?

diviz

Initiatives

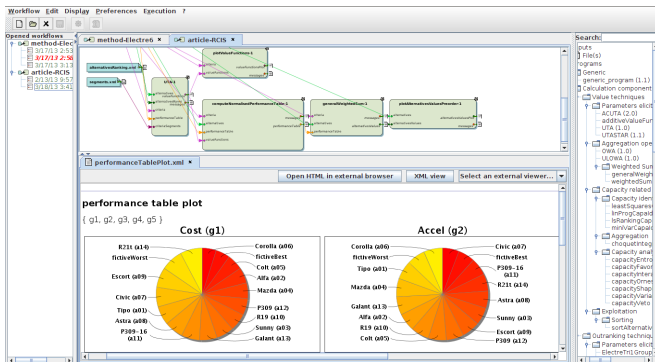
Usage

Events

Support

Latest news

diviz : a workbench to create, execute and share MCDA algorithms / methods



A user-friendly element in a coherent **ecosystem** / set of initiatives



A coherent set of initiatives

Decision Deck ?

diviz

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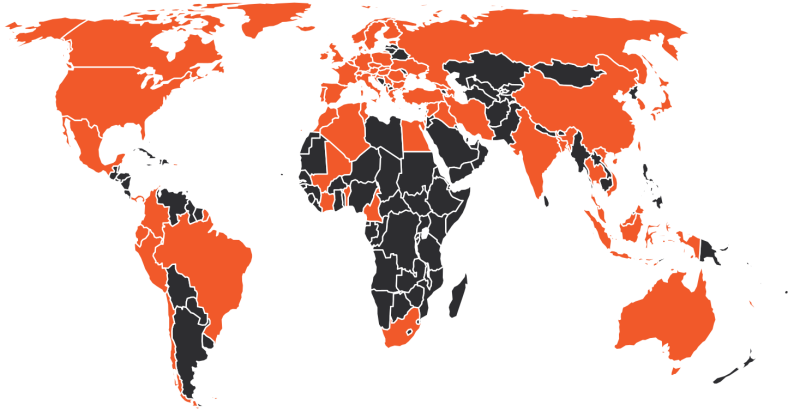
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Countries where diviz has been used



(at least once in the past 6 years)



Some figures regarding diviz

[Decision Deck ?](#)[diviz](#)[Initiatives](#)[Usage](#)[Events](#)[Support](#)[Latest news](#)

	2012	2013	2014	2015	2016	2017
Workflows executed	19611	5275	10731	13558	15k	17k
Connections on the server	3486	4211	1628	2068	4025	4500
Unique clients	531	739	459	477	737	800



- Annual **workshop** (and general assembly)
- Co-located with the autumn **EWG MCDA** meeting
- Past workshops:
 - ...
 - **ddws13**: Paris (Centrale Supélec) (Autumn 2016)
 - **ddws14**: Paris (Université Paris Dauphine) (Autumn 2017)
- Next workshops:
 - **ddws16**: Brest (Brittany, France) (Autumn 2019)
- Code camps to learn how to contribute to the effort



Financial institutional support

Decision Deck ?

diviz

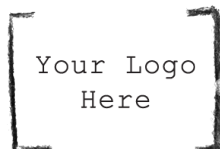
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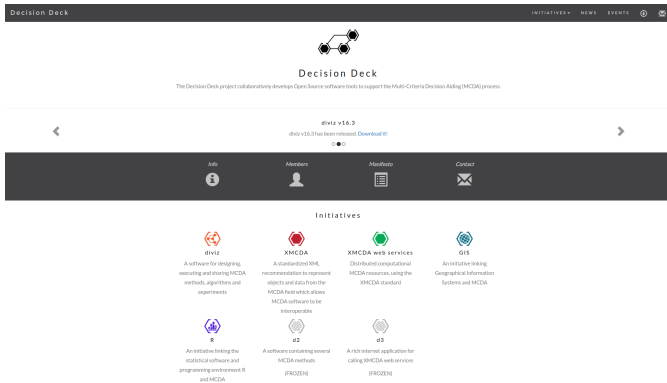
Latest news



- Everybody is welcome to **participate** !
- **Membership** : contact the administration board
- Subscribe to the yearly **newsletter** (soon)

<http://www.decision-deck.org>

 : @divizMCDA



The screenshot shows the homepage of the Decision Deck project. At the top, there is a navigation bar with the text "Decision Deck" on the left and "INITIATIVES NEWS EVENTS" on the right. Below the navigation bar is a logo consisting of three interconnected hexagons. The main heading is "Decision Deck" with the subtitle "The Decision Deck project collaboratively develops Open-Source software tools to support the Multi-Criteria Decision-Aiding (MCDA) process." Below this is a section for "diviz v16.3" with a "Download" button. A dark navigation bar contains icons for "Info", "Members", "Manifesto", and "Contact". The "Initiatives" section features a grid of seven items, each with an icon and a brief description:

- diviz**: A software for designing, executing and sharing MCDA methods, algorithms and experiments.
- XMCD A**: A standardized XML recommendation to represent objects and data from the MCDA field which allows MCDA software to be interoperable.
- XMCD A web services**: Distributed computational MCDA resources, using the XMCD A standard.
- GIS**: An initiative linking Geographical Information Systems and MCDA.
- R**: An initiative linking the statistical software and programming environment R and MCDA.
- d2**: A software containing several MCDA methods (FROZEN).
- d3**: A rich internet application for calling XMCD A web services (FROZEN).



- XMCD A web-services : v2 → v3 migration **has started**
- Automatic translation, encapsulation of the existing programs, server-side
- Some errors appeared : you might get e-mails from us soon with some questions / help needed !
- 1/3 OK, 1/3 problems, 1/3 already developed in XMCD A v3 (out of more than 200)!



- **MOOC** “Aide à la Décision Multicritère” (on FUN MOOC), by Vincent Clivillé, Maria A. De Vicente y Oliva and Jaime Manera Bassa
- 13th MCDA/M **Summer School** (thanks to Miłosz)



- Giota Digkoglou for the **Greek** translation
- Maria de Vicente y Oliva and Jaime Manera Bassa for the **Spanish** translation



- WS: the real question for the code is not on being open-source, but on being **maintained**
- We are looking for volunteers to maintain web-services:
 - Java
 - Python
 - R



- **Share** your workflows with us !



- WS: **submission** still v2+v3 (cf. ddws13 guidelines)
- XMCD v3: now a Python lib. is available
- Decision Deck website: [http](http://) and [https](https://)



- diviz-UI
or : *generate personalized user interfaces from diviz workflows*
- demo ... demo ... demo !

