

# RESOURCE ALLOCATION IN CIVICRM

ALLOCATE AND MANAGE  
RESOURCES IN CIVICRM

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# RESOURCE EXTENSION

A NEW FRAMEWORK  
FOR RESSOURCE ALLOCATION

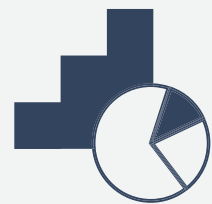
## WHAT DO WE WANT?

- **Manage resources and its allocations** in CiviCRM, e.g. for events like this
- **Like CiviBooking** - which has been discontinued (afaik)
- **BUT:** Make the "engine" or "core" flexible enough for **other scenarios**.



# WHAT IS A RESOURCE?

**THINK "ROOM 101"!**



**SOMETHING** (CONCRETE) WE NEED

We need this resource, e.g. in order to perform a certain task



**SOMETHING** THAT CANNOT BE SHARED

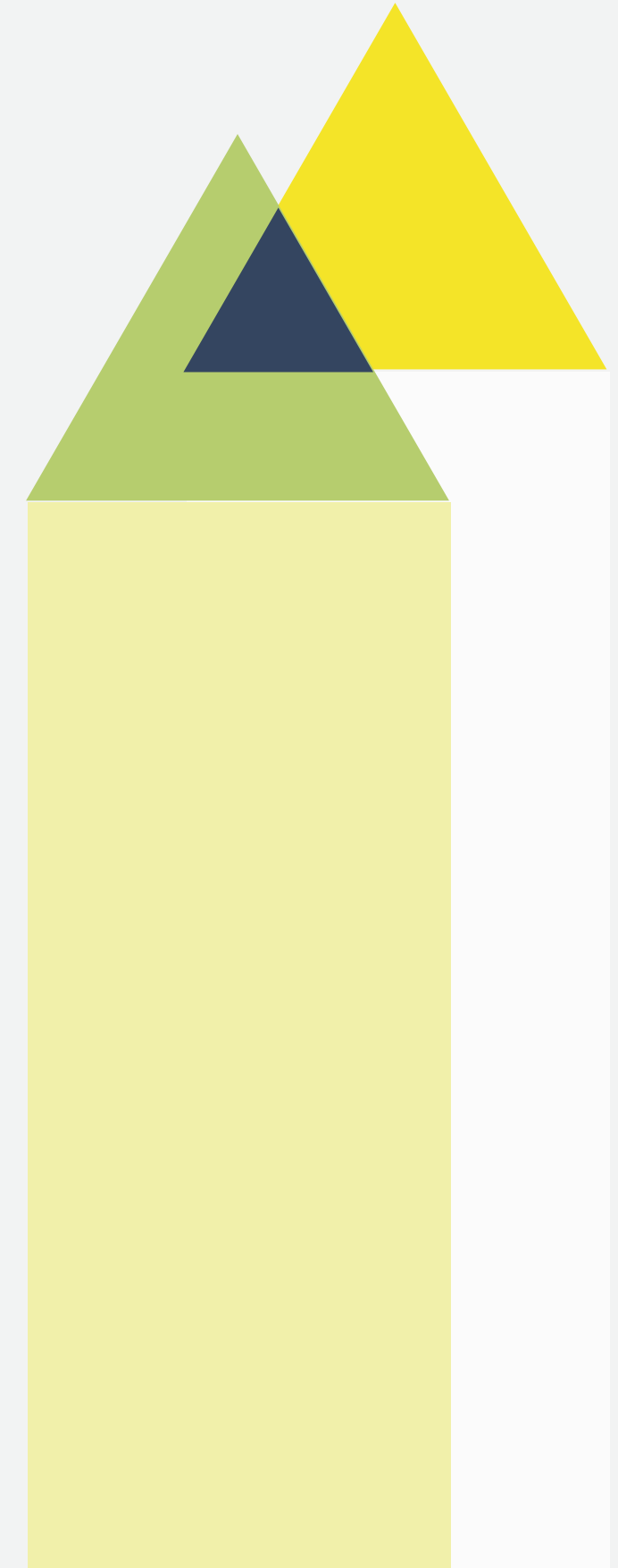
This resource couldn't be used at the same time for different things



**SOMETHING** IS LIMITED

If there was an unlimited amount of this resource around, we wouldn't have to bother.

**DON'T THINK "LOVE"!**





# A NEW APPROACH

We put the **core of the new resource management** and allocation in an extension: **de.systopia.resource**.

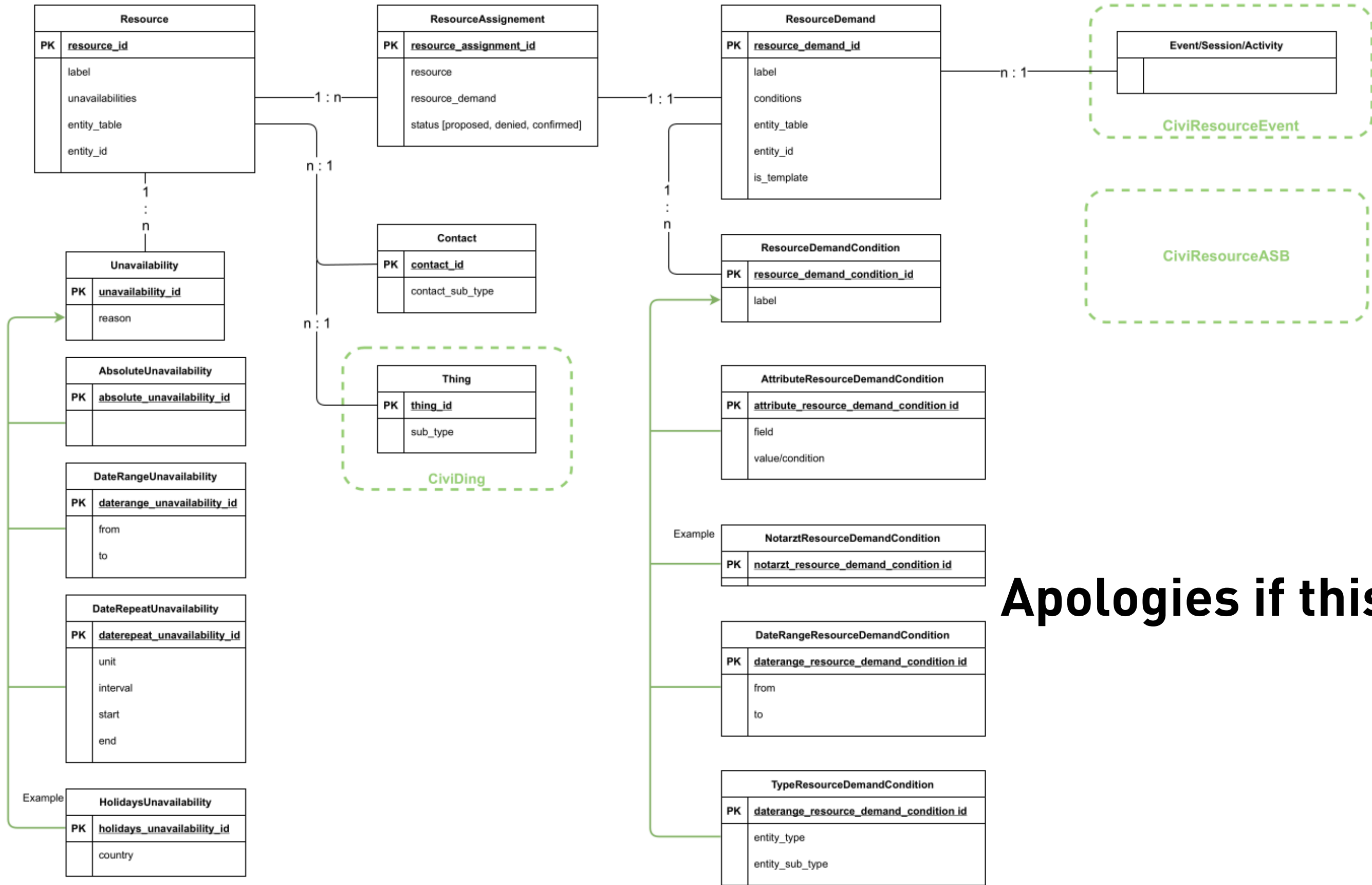
It defines:

- **Resources** - linked to other entities, e.g. individuals
- **ResourceDemand** - specifies a specific need, e.g. volunteers for a conference

Furthermore:

- **ResourceAssignment**- assigns a resource to a demand. The resource defines the demand defines the time slot, e.g. "for the whole event".
- **ResourceUnavailability** - e.g. if a human resource (CiviCRM individual) is sick or on holiday.



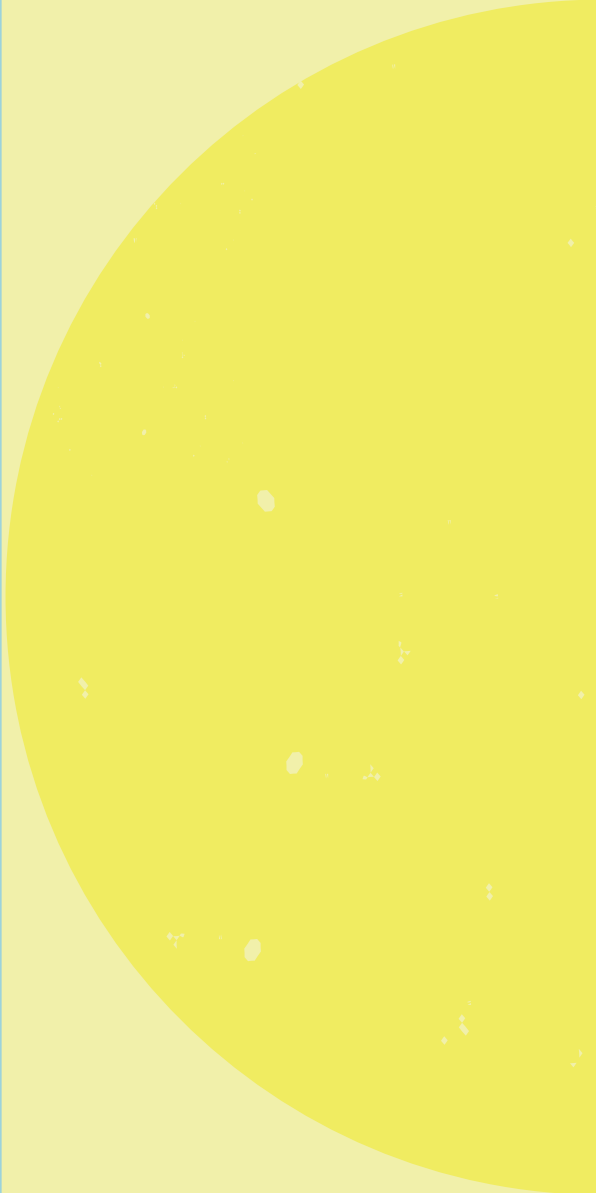
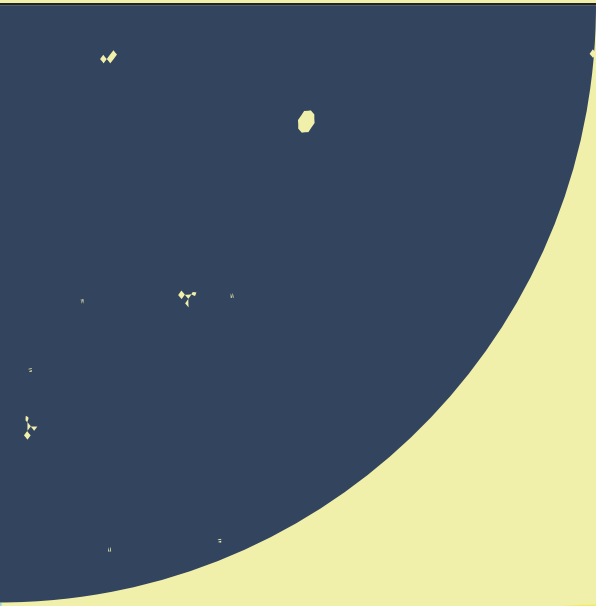
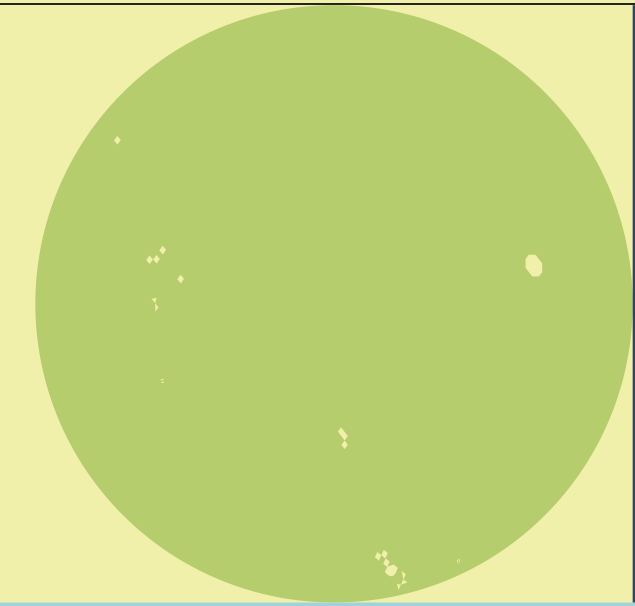
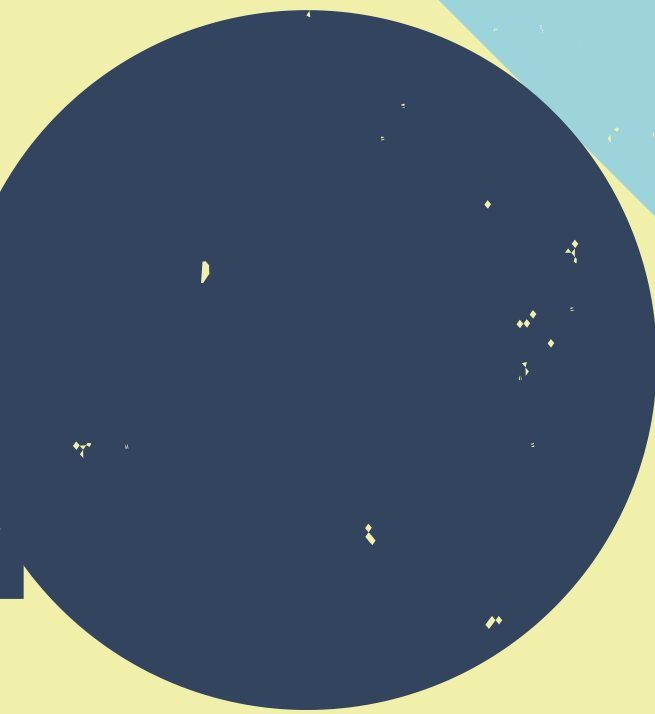


**Apologies if this was too detailed...  
...moving on.**

**YOU CAN'T PICTURE IT?**

**DEMO**

**TIME**



# WHAT ABOUT RESOURCES OTHER THAN PEOPLE?

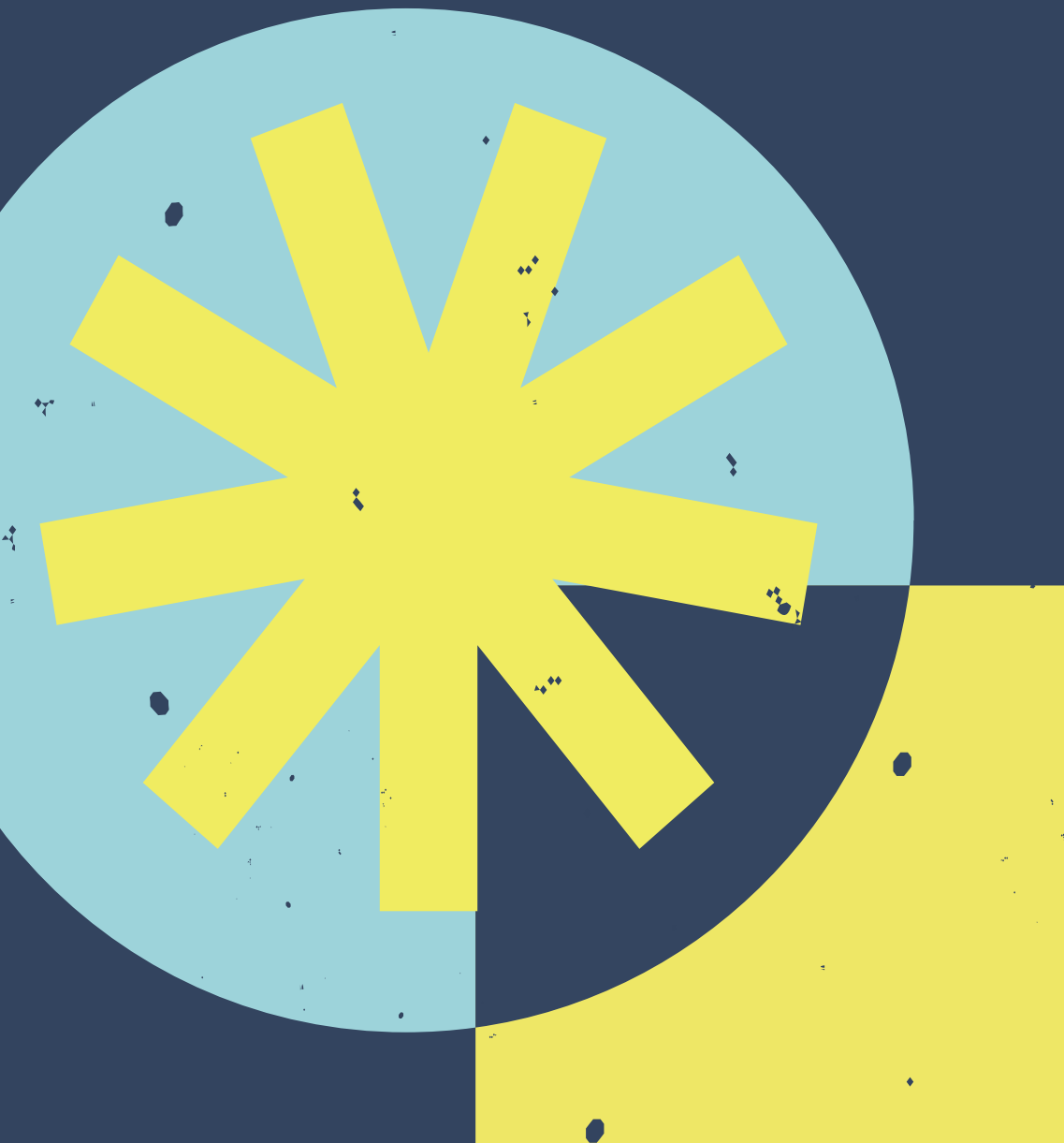
## LIKE

- Rooms
- Projectors
- Vehicles
- Equipment...

## USE THE ECK!

The **Entity Construction Kit** lets you:

- define arbitrary types of things
- add any number of custom fields
- create any number of objects/instances
- Use those as resources



# SOUNDS TOO GOOD?

## DISCLAIMERS

- **NOT IN PRODUCTION**
- **RESOURCE AND ECK NOT COMPATIBLE WITH LATEST CIVICRM\***
- **LARGE SCALE DEPLOYMENT PERFORMANCE NOT TESTED**
- **SUITABLE FOR PLANNING, NOT REAL-TIME DISPATCH**

\*.) hopefully just some minor adjustments





- ▶ **Details?**
- ▶ **Outlook?**
- ▶ **Scenarios?**
- ▶ **Comments?**

COMMENTS OR QUESTIONS?

## CONTACT ME

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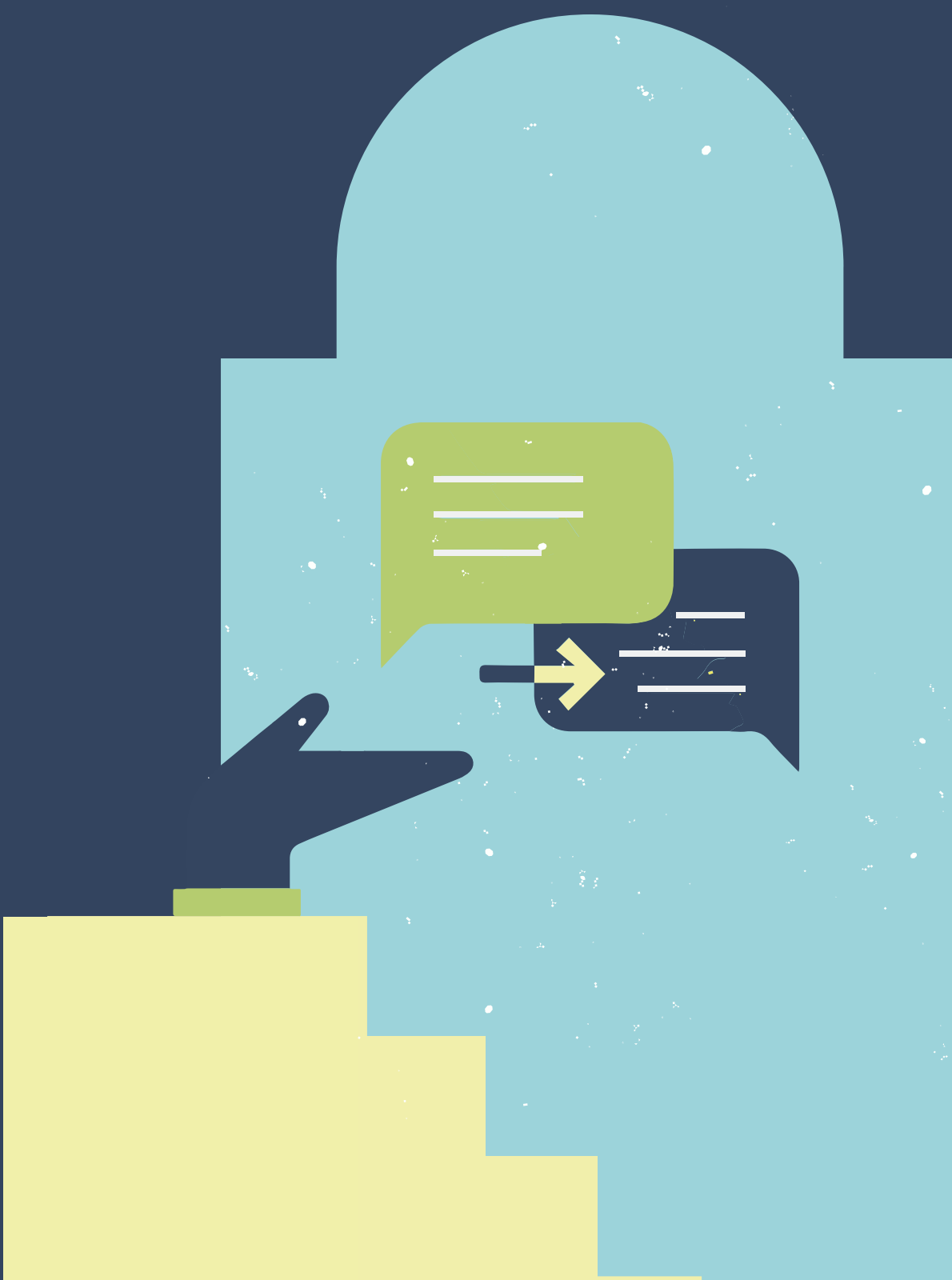
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## ABOUT SYSTOPIA

# WE CREATE FREE SOFTWARE.

- ▶ more than 10 years of CiviCRM consulting, implementation and development
- ▶ over 150 clients from the non profit sector
- ▶ more than 100 CiviCRM extensions published under a free license
- ▶ CiviCRM gold partner and contributor

