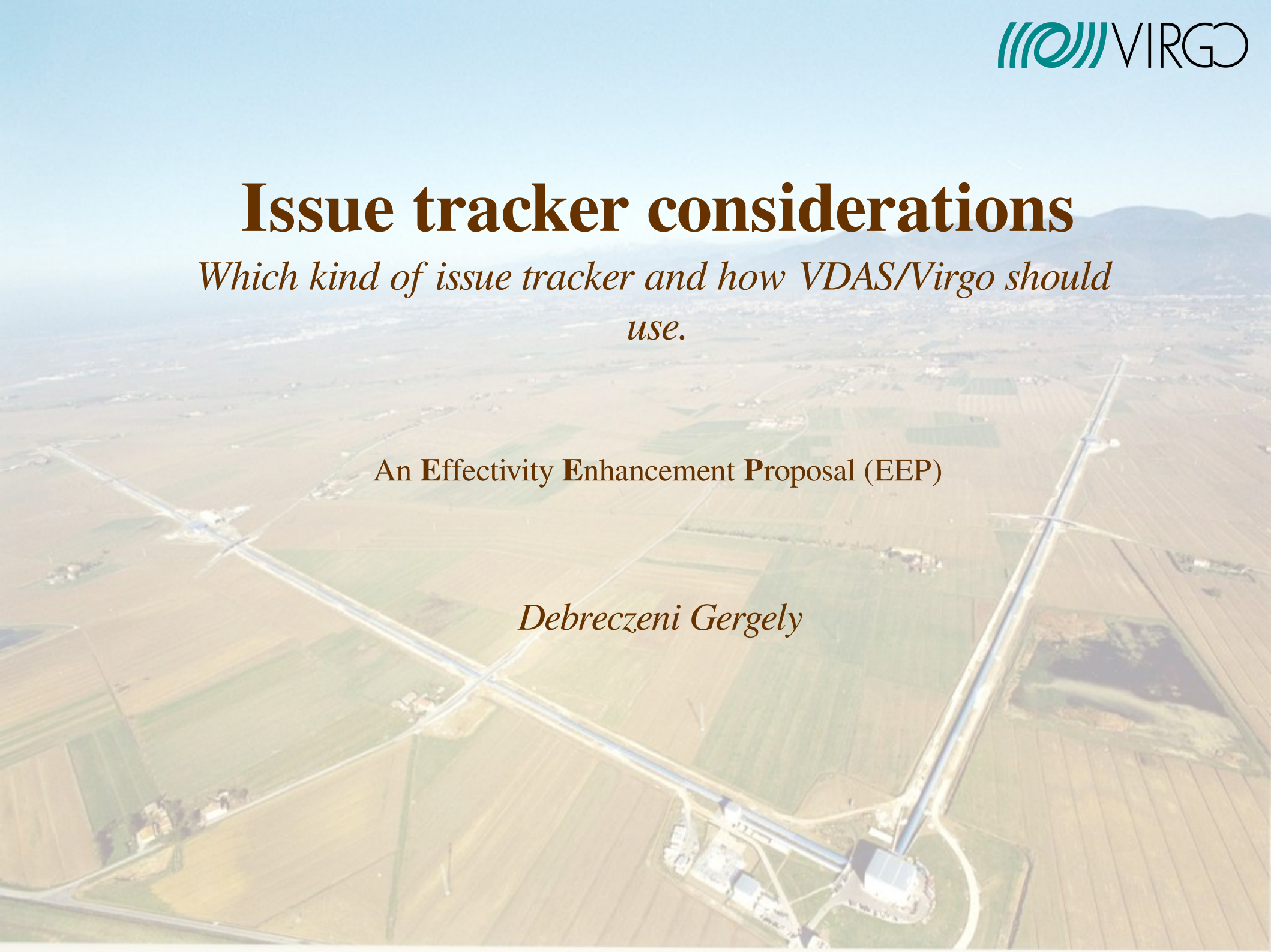

Issue tracker considerations

Which kind of issue tracker and how VDAS/Virgo should use.

An **E**ffectivity **E**nhancement **P**roposal (EEP)

Debreczeni Gergely

Content

- The problem
- Requirements
- Possible solutions
  - Logbook
  - SVN trac
  - Trello
  - Redmine
- The suggestions

The problem

- Various issues VDASC/Virgo are not properly tracked and the information is floating around in different form, not easy to collect, organize and overview.
- In order not to go around in cycles and give bette explanation and backgrond of various decisions it has to be changed
- We need an issue tracker.

Requirements

- It has to be a general purpose tool. We would like to minimize the number of different tools usde.
- If possible, and if meets with our requritements, it should be an 'industry standard', we have to few resources to do custom development.
- Enables X509 certificate based or one of the already existing auth method
- If possible, compatible with LIGO, LIGO colleagues can also use it

Possibilities - Trello

1.) Trello (https://trello.com)

Advantages:

- Very convenient, web based tool
- Esay to use, easy to share

Disadvantages:

- Not really scalable for big number of problems or larger number of problem categories
- Is in google site.

An example:

- https://trello.com/b/TegyzFgx/test

Possibilitites - Redmine

1.) Redmine (http://www.redmine.org/)

Advantages:

- Used by tens of thousands of users
- Industry standard
- Have all the functionality we have
- Easy to couple with build systems
- Can be used for many purpose, issues/bugs, EEPs, comes with Wikis, boards and charts.

Disadvantages:

- If some feature is missing probably more difficult to get it implemented

An example:

- https://bugs.ligo.org/redmine/projects/pycbc-production/issues

Possibilitites - Logbook

3.) Logbook (?)

Advantages:

- Many Virgo/Ligo member is already familiar with it
- Close contacts to developers, custom needs can be implemented
- Can use our authentication system

Disadvantages:

- Not a general purpose tool, misses some functionality we would need another tool for example for bug tracking.
- Search engine is not so powerful

An example:

- https://tds.ego-gw.it/itf/osl_virgo/index.php?content=1

Possibilitites - Trac

3.) Trac (http://trac.edgewall.org/wiki/TracSubversion)

Advantages:

- Can be easily coupled to SVN repository
- Used by thousands
- Comes with a Wiki

Disadvantages:

- Custom requests can be implemented much more slowly
- People isnide the collaboration are not really familiar with it

An example:

- https://svnweb.cern.ch/trac/glitefts

Proposal

Use **Redmine** since:

- It comes with all the functionality we need
- The very same tool can be used for issue tracking, requests, etc....
- Will be familiar also for the LIGO colleagues.

Comments ?