VERSION CONTROL SYSTEM REQUIREMENTS

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STI DEVELOPMENTS

MultiProd: Micro drivers of aggregate productivity

IPP: The Innovation Policy Platform

TiVA: Trade in Value-added

MULTIPROD

Micro-drivers of aggregate productivity
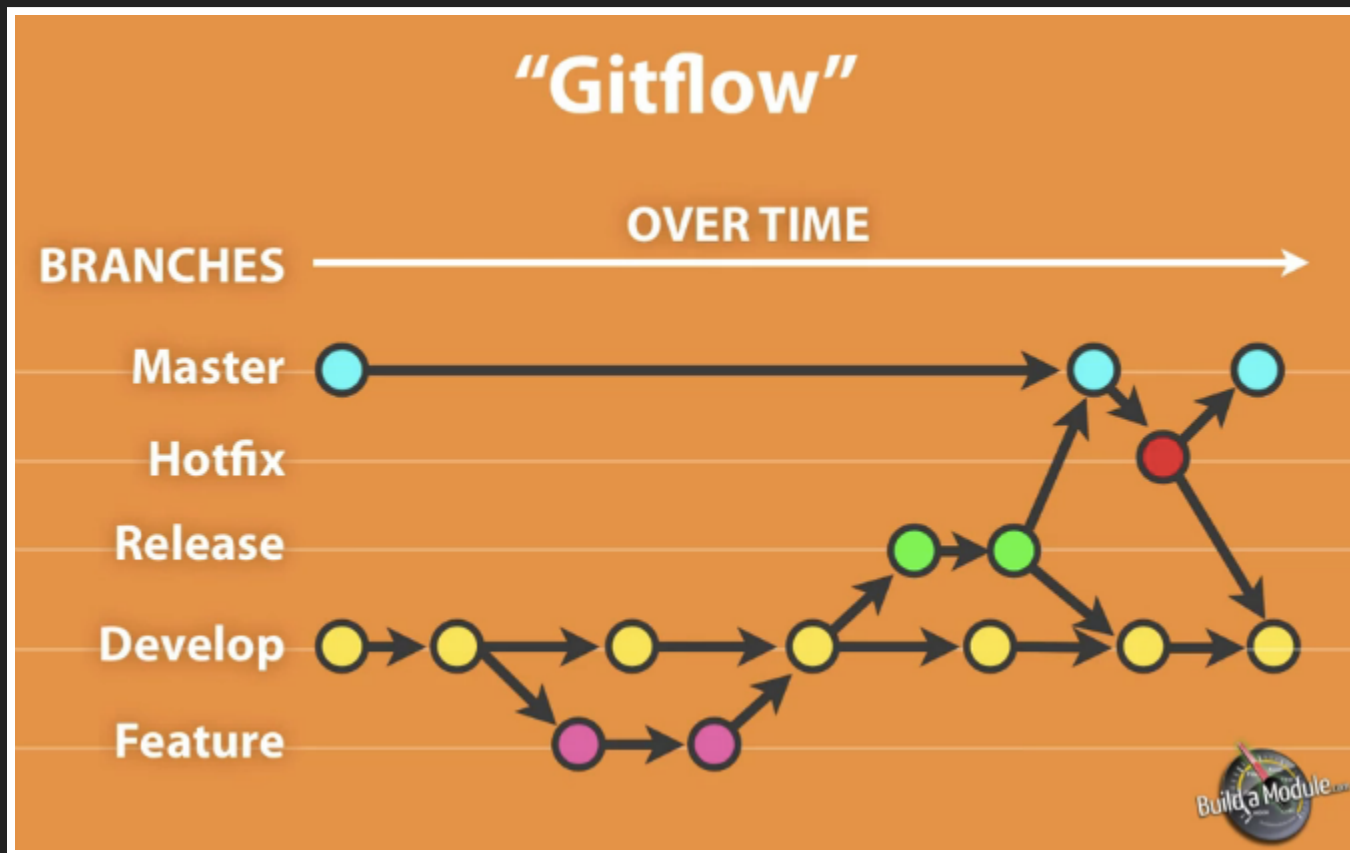
STI/SPD

MULTIPROD

CONTEXT

Firm-level data is confidential:

- code developed at OECD by 2 collaborators
- Network of researchers/statisticians in OECD countries plus Brazil, Turkey…
- Results (or errors!) are sent back to us for analysis

MULTIPROD

Solution: simple Gitflow workflow

MULTIPROD

Git serves two purposes internally:

- Track changes, overall progress, and sometimes to track down regressions;
- Share the code over several platforms through a shared repository on Dropbox.

Maybe crowdsourcing one day? Dissemination, bug spotting, improvements, etc.

IPP

The Innovation Policy Platform

STI/STP

IPP

Interactive workspaces (COP) use Drupal for content management

- user contributions under version control
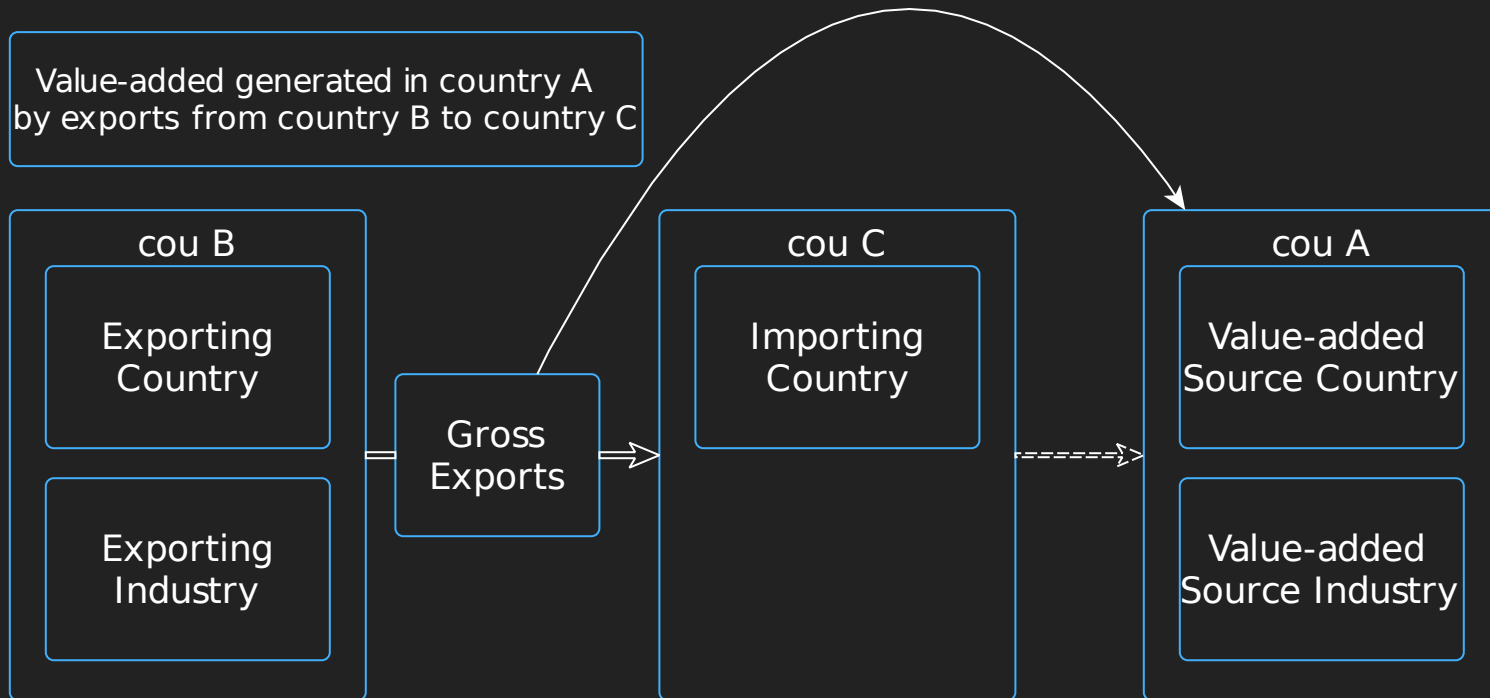- Drupal uses Git in the backend

ICIO-TIVA

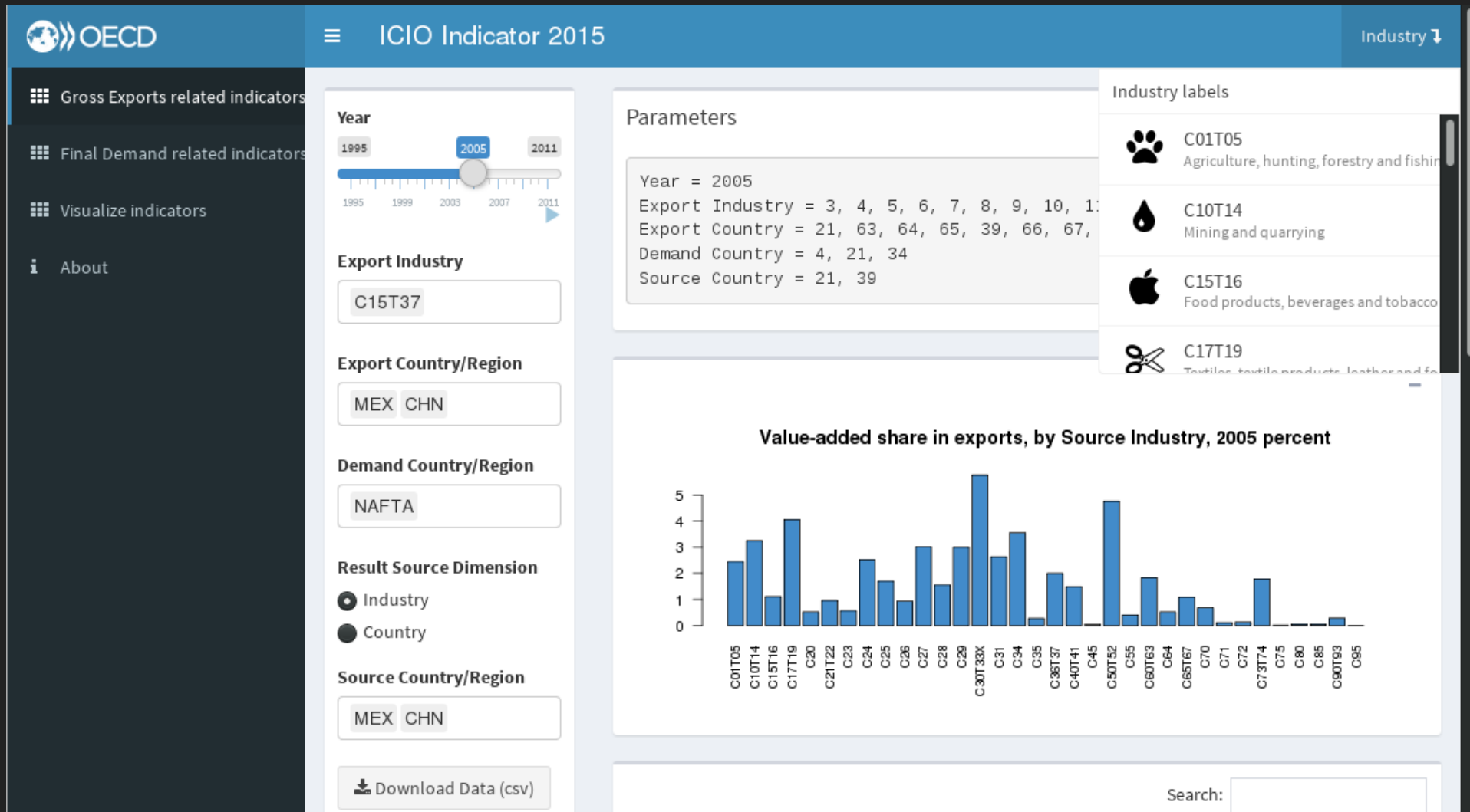Measuring Trade in Value Added
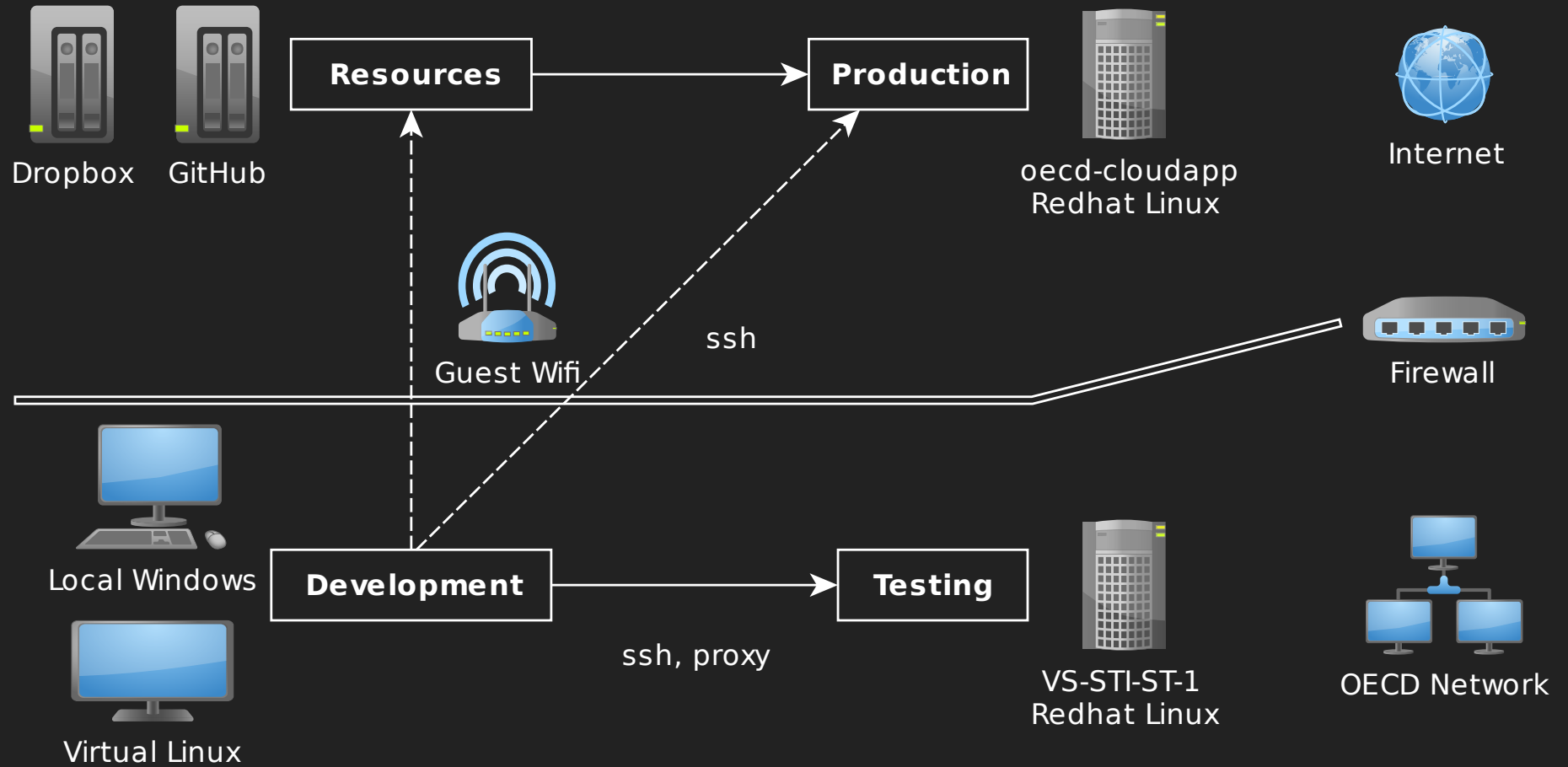
STI/EAS

CONCEPT

PUBLIC SERVER

oecd-icio.cloudapp.net

- Microsoft Azure
- Redhat Linux
- 2 vCPU
- 3.5GB RAM
- 100GB storage
- 200GB of US and EU network data transferred
- 200GB of international network data transferred

USER INTERFACE

RESOURCE MANAGEMENT

UPDATE REPOSITORY

```
git add .
```

```
git commit -m'add png chart download'
```

```
git push
```

```
c:\Users\werth_b\LocalData\Dropbox\GitHub\icioapp2015>git add .

c:\Users\werth_b\LocalData\Dropbox\GitHub\icioapp2015>git commit -m"add png chart download"

[master e0ee147] add png chart download
 2 files changed, 12 insertions(+), 6 deletions(-)

c:\Users\werth_b\LocalData\Dropbox\GitHub\icioapp2015>git push
warning: push.default is unset; its implicit value is changing in
Git 2.0 from 'matching' to 'simple'. To squelch this message
and maintain the current behavior after the default changes, use:

  git config --global push.default matching

To squelch this message and adopt the new behavior now, use:

  git config --global push.default simple

See 'git help config' and search for 'push.default' for further information.
(the 'simple' mode was introduced in Git 1.7.11. Use the similar mode
'current' instead of 'simple' if you sometimes use older versions of Git)

Username for 'https://github.com': bowerth
Password for 'https://bowerth@github.com':
Counting objects: 9, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 619 bytes, done.
Total 5 (delta 4), reused 0 (delta 0)
To https://github.com/bowerth/icioapp2015.git
   5c0ad68..e0ee147  master -> master

c:\Users\werth_b\LocalData\Dropbox\GitHub\icioapp2015>
```

UPDATE SERVER FROM REPOSITORY

```
git pull
```

```
[werth_admin@AZ-ICIO-1 conf]$ cd ~/Dropbox/GitHub/icioapp2015
[werth_admin@AZ-ICIO-1 icioapp2015]$ git pull
remote: Counting objects: 9, done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 9 (delta 6), reused 8 (delta 5), pack-reused 0
Unpacking objects: 100% (9/9), done.
From https://github.com/bowerth/icioapp2015
   be2d9c1..e0ee147  master     -> origin/master
Updating be2d9c1..e0ee147
Fast-forward
 .dropbox                   |    1 -
 .gitignore                 |    2 ++
 widgets/visualize_server.R |   13 ++++++++-----
 widgets/visualize_ui.R     |    5 ++++-
 www/OECD_grey.png          |   Bin 4685 -> 4685 bytes
 5 files changed, 14 insertions(+), 7 deletions(-)
 delete mode 100755 .dropbox
 mode change 100755 => 100644 www/OECD_grey.png
[werth_admin@AZ-ICIO-1 icioapp2015]$ sudo rm -r /srv/shiny-server/icioapp2015
[sudo] password for werth_admin:
[werth_admin@AZ-ICIO-1 icioapp2015]$ cd ~/Dropbox/GitHub/
[werth_admin@AZ-ICIO-1 GitHub]$ sudo cp -r icioapp2015 /srv/shiny-server/
[werth_admin@AZ-ICIO-1 GitHub]$ sudo chown -R shiny /srv/shiny-server/icioapp2015
[werth_admin@AZ-ICIO-1 GitHub]$ sudo restart shiny-server
shiny-server start/running, process 13358
[werth_admin@AZ-ICIO-1 GitHub]$ 
```

NEEDS

- non-public repositories
- external platform subscription (e.g. github, bitbucket)
- manage organisation account
- involve other directorates
- reduce duplication of efforts
- manage horizontal and external collaboration projects

thank you