

Biosafety Stewardship Survey - 2015

MIT CAB/ESCRO Meeting
March 10, 2016

Biosafety Stewardship

- The charge:
 - *Reexamine current policies and procedures for biosafety practices and oversight to optimize their effectiveness*
 - *Conduct inventories of infectious agents and toxins in all laboratories*
 - *Reinforce biosafety training of investigators, laboratory staff, and members of the IBCs*

Biosafety Stewardship

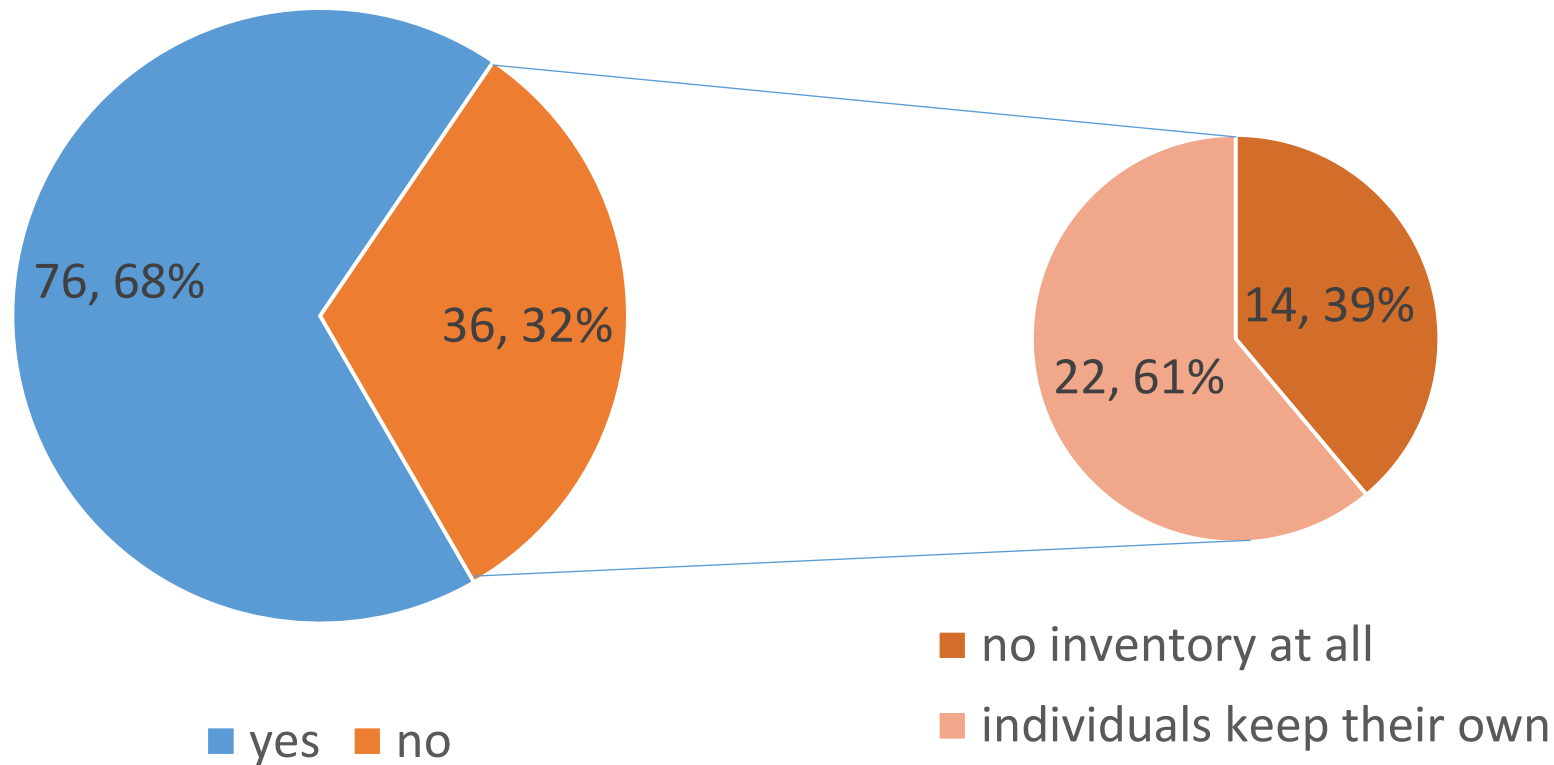
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Inventory of infectious agents and toxins

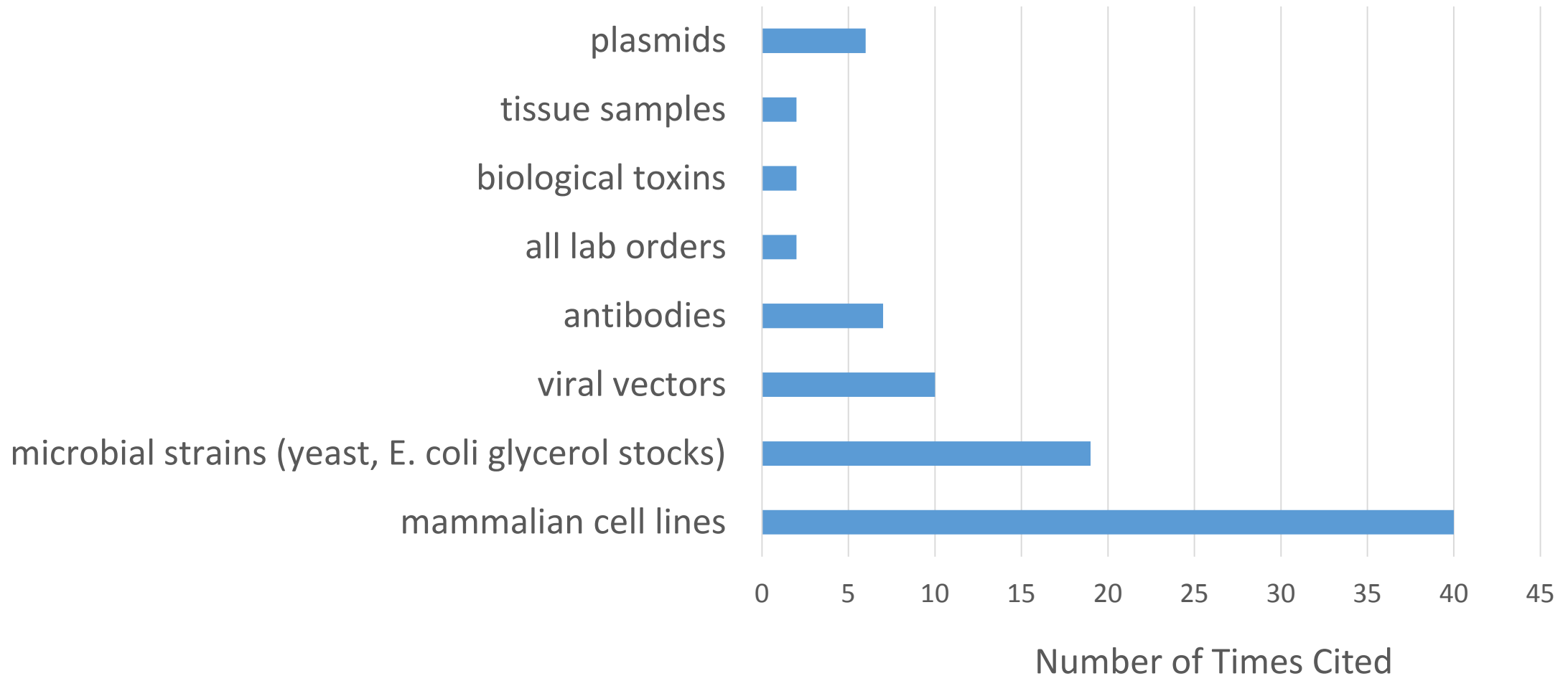
- All BL2 and BL2+ laboratories were contacted by the Biosafety Program – total 112 labs
- In-person meetings with laboratory representatives
- Review of all infectious agents and biological toxins registered with the CAB/ESCRO and identification of any items that should be registered
 - Reconciliation of non-registered biological materials via BRR Amendment process
 - Identification of materials that were being stored only (no active work)
- Survey conducted regarding nature of laboratory inventories of biological materials

Survey Questions and Results

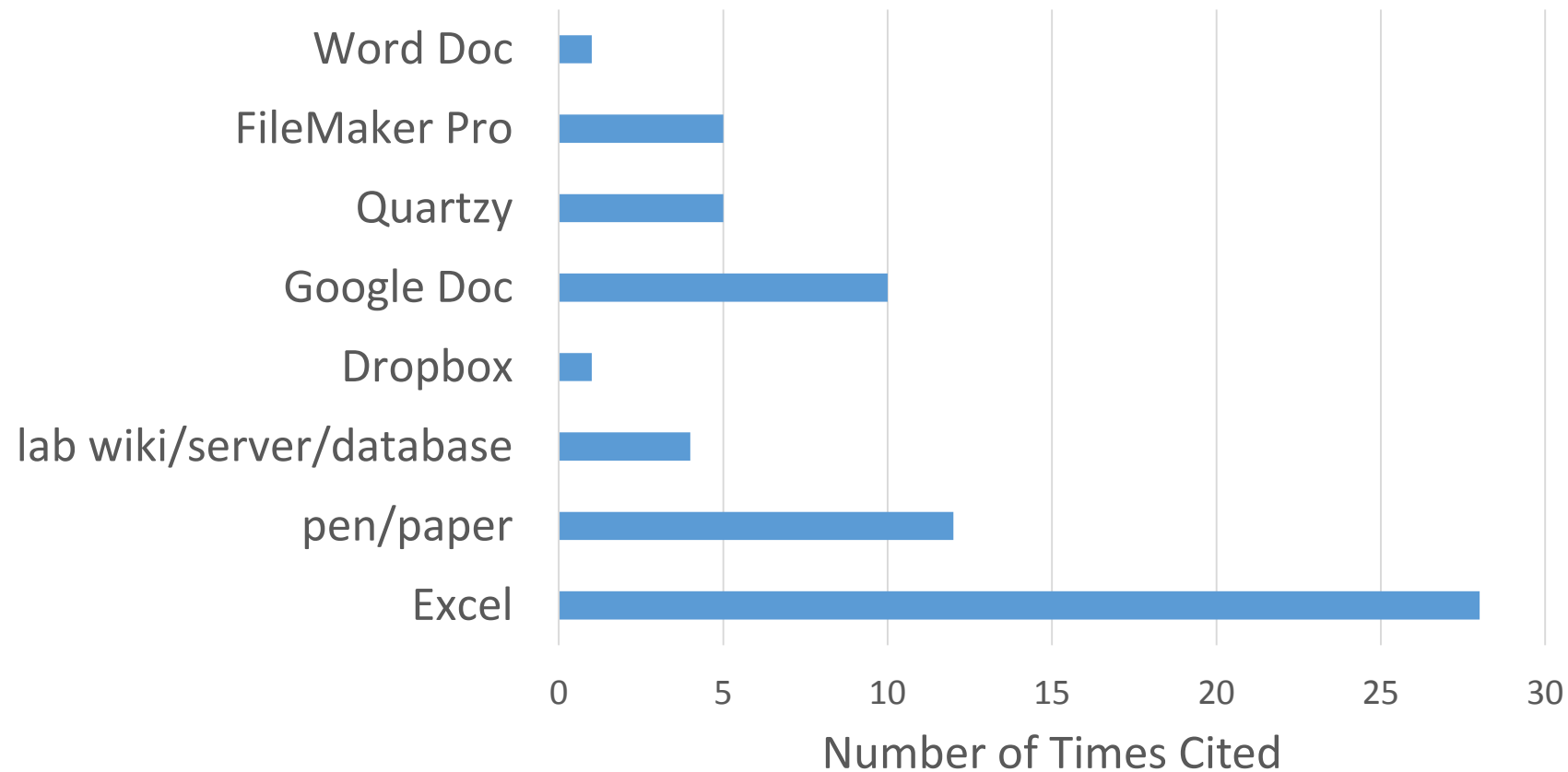
- Does your lab maintain any sort of lab-wide inventory of biological materials?



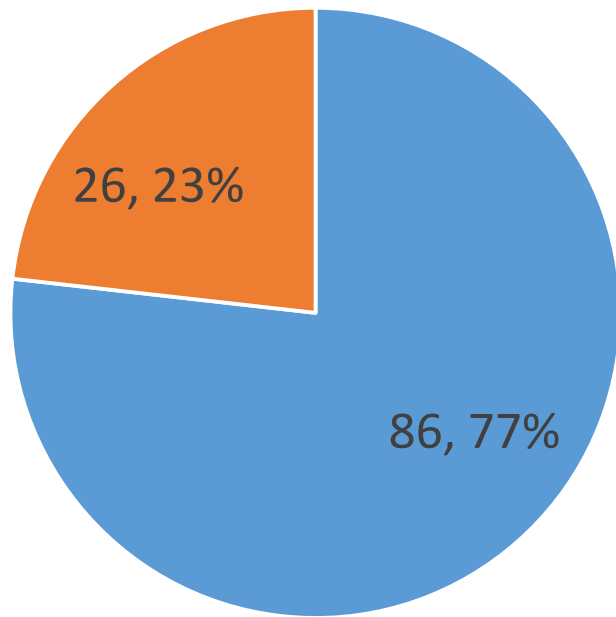
Which biological materials are tracked in the lab-wide inventory?



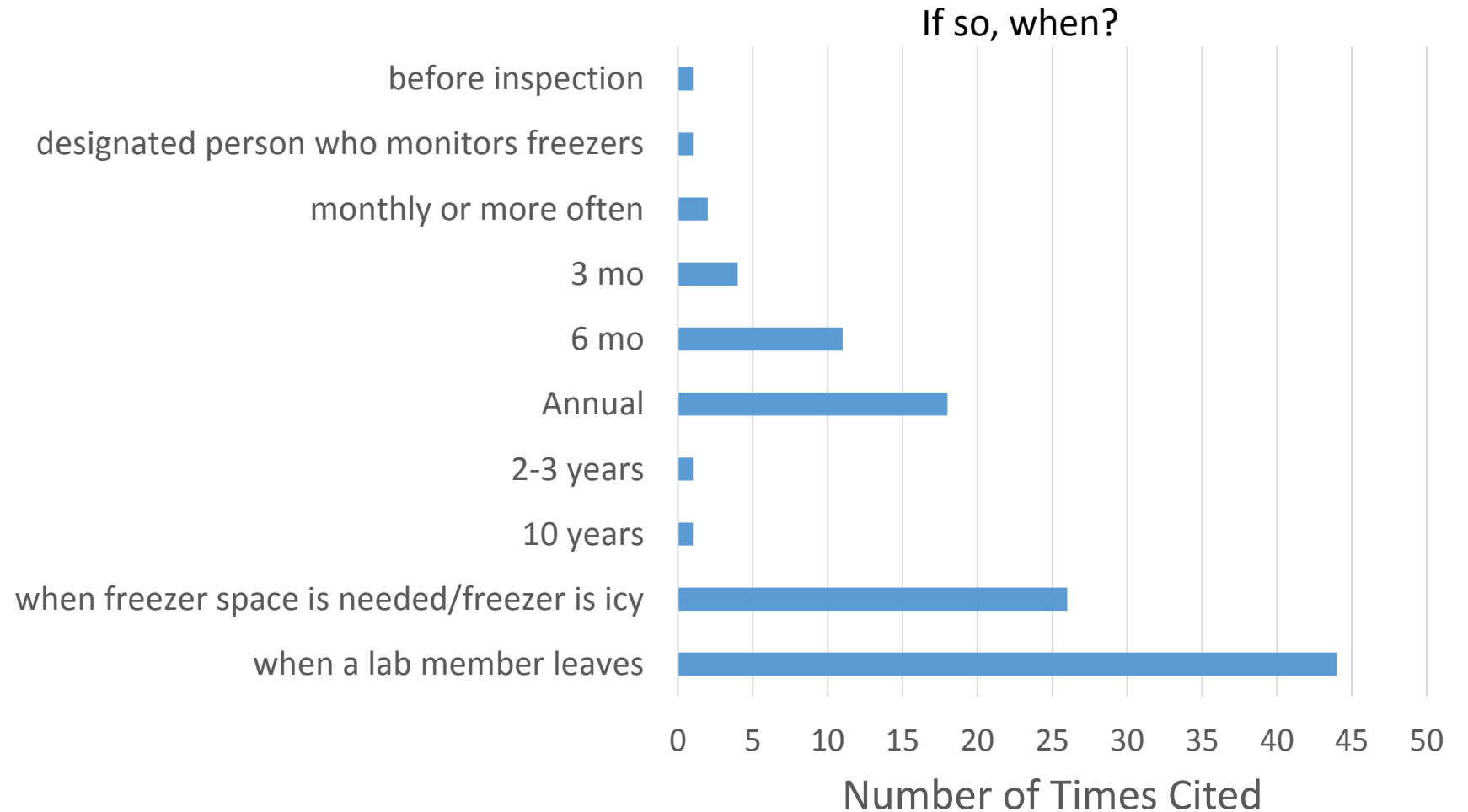
What mechanism is used to keep lab-wide inventory?



Does your lab perform a regularly-scheduled freezer clean out?



■ yes ■ no



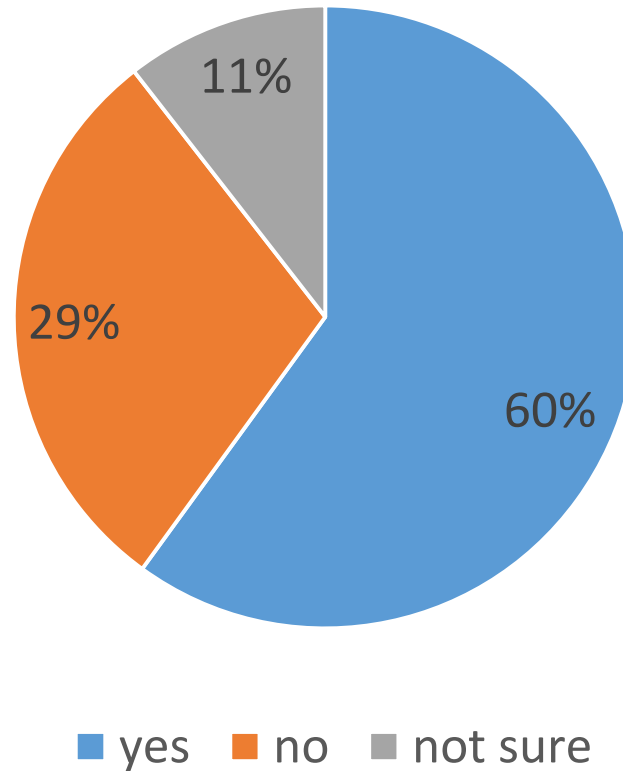
Reasons for not having an inventory or not cleaning out freezers

- Small volume of biological material or biological research
- PI prefers to keep everything
- New lab has not yet had need to develop inventory or clean out a freezer

Would your lab be interested in an MIT-provided inventory solution?

No

- Our lab already has a system in place that is working
- Our lab has a very small inventory and does not need a system
- Concerns with work load:
 - Systems like these require too much work
 - Labs would need a dedicated person/lab manager to keep system updated



Yes

- A centralized system for the lab would be beneficial for organization, increased efficiency, supporting internal lab collaboration, and reducing waste
- The system must be easy to use and user friendly (e.g. app style for phone or tablet)
- Centralization of multiple lab materials in one system is preferable
 - Use chemical inventory software (CisPro) to track biologicals
- Collaboration
 - Some labs see this as an excellent way for intra- and inter lab collaboration
 - Other would prefer that inventories stay private or at least have an option