



AÇIK ERİŞİM, ORTAK TASARIM, GİRİŞİMCİLİK

Prof. Dr. Şirin Tekinay

Mühendislik ve Doğa Bilimleri Fakültesi Dekanı

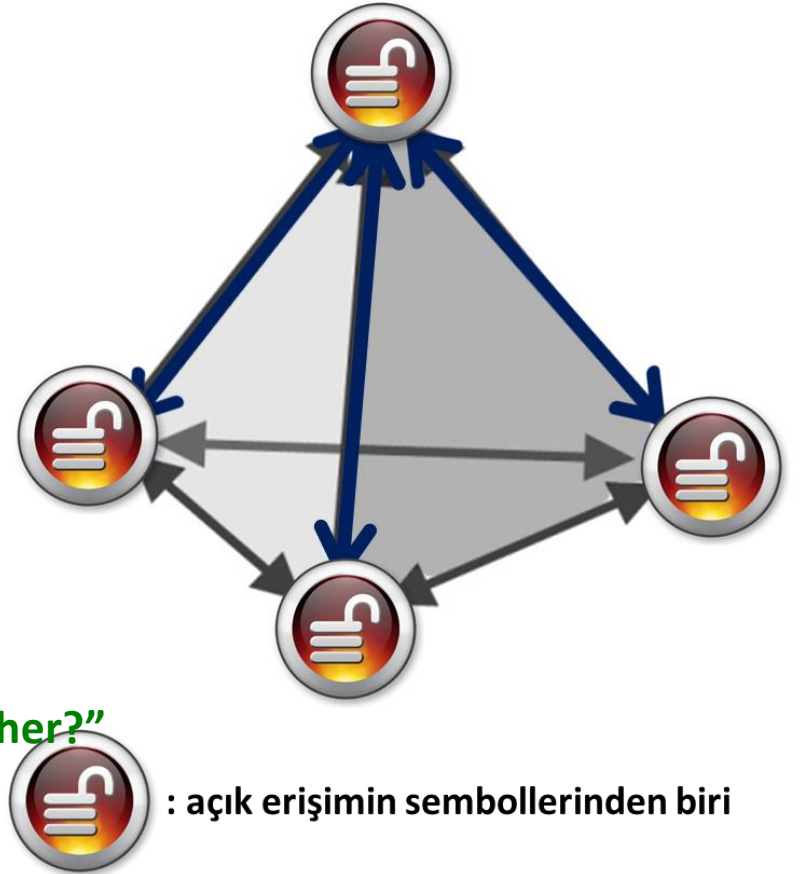
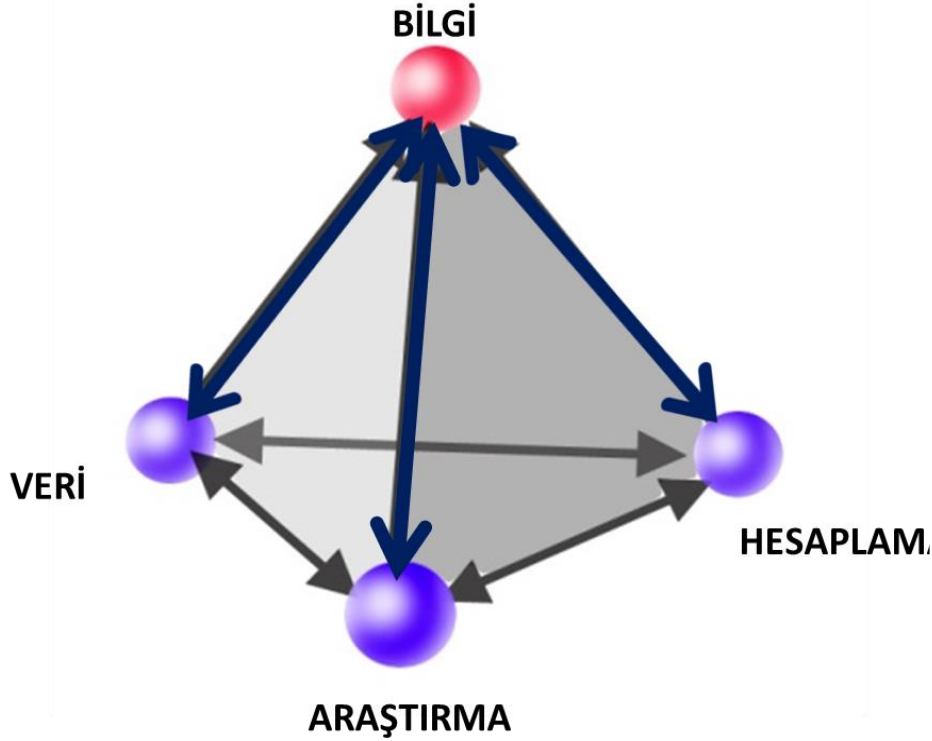
AÇIK ERİŞİM

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 - Açık/ortak tasarım
- Ülkemizde
 - Ulusal açık erişim
 - Ders malzemeleri UADMK
 - 3. çalıştay, YÖK himayesi
 - Yükseköğretim akademik arşiv projesi
 - Üniversitelere göre dağılım

3. Ulusal Açık Erişim Çalıştayı 20-21 Ekim 2014



Açık Bilim Piramidi



Minsky: "Can you imagine that there was a time when the books in a library didn't talk to each other?"

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2009'dan beri:

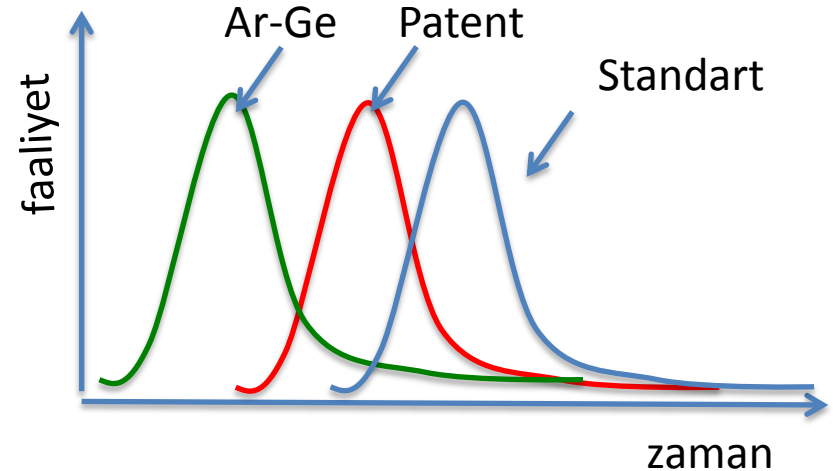
- MoU Anlaşma imzalandı
- Üniversitelerarası işbirliği modeli

MÜHENDİSLİK

- Endeksli yayın baskısı
- Yayıncı korkusu
- 3. kuşak üniversite
- Altyapı, veri bulutu

Üniversite-Endüstri

- Rekabet öncesi Ar-Ge ortaklığı
- Ar-Ge Standart eğrisi
- Patentler



Sayısal Devrimler

- İletişim
- Bilişim
- Üretim



ORTAK TASARIM, GİRİŞİMCİLİK

3. sayısal devrim

- Sayısal Üretim
- Sivil Toplum hareketi
- Maker movement
- FabLab



Bilgisayar kontrollü üretim makine teçhizatı

Tipik envanter:

3D yazıcı

CNC tezgah

Lazer kesici

Devre basma

Mikroelektronik, sensör

Test istasyonu

Tekinay@29.MDK

Dünyada Kurulu FabLab Ağı

planlananlarla birlikte 300+



FABLAB Prensipleri

- **Açık erişim**
 - Kişisel ifade ya da icat amaçlı demokratik kullanım
 - Haftanın bir bölümü olsun, halka bedava ya da hizmet karşılığı açık
- **Ortak araç ve süreçler**
 - Kritik makine teçhizat ve malzeme
 - open source software and freeware
 - Tüm FabLabler bilgilerini ve tasarımlarını paylaşmalı, sınır aşırı işbirliği yapmalı
- **Küresel FabLab ağına dahil olmak**
 - Çalıştaylar, projeler
 - Fab Academy

FabLab Charter

- This is a copy of the original English version of the Charter published October 20, 2012.
- **What is a fab lab?**
- Fab labs are a global network of local labs, enabling invention by providing access for individuals to tools for digital fabrication.
- **What's in a fab lab?**
- Fab labs share an evolving inventory of core capabilities to make (almost) anything, allowing people and projects to be shared.
- **What does the fab lab network provide?**
- Operational, educational, technical, financial, and logistical assistance beyond what's available within one lab
- **Who can use a fab lab?**
- Fab labs are available as a community resource, offering open access for individuals as well as scheduled access for programs
- **What are your responsibilities?**
- *safety*: not hurting people or machines
- *operations*: assisting with cleaning, maintaining, and improving the lab
- *knowledge*: contributing to documentation and instruction
- Who owns fab lab inventions?
- Designs and processes developed in fab labs can be protected and sold however an inventor chooses, but should remain available for individuals to use and learn from
- How can businesses use a fab lab?
- Commercial activities can be prototyped and incubated in a fab lab, but they must not conflict with other uses, they should grow beyond rather than within the lab, and they are expected to benefit the inventors, labs, and networks that contribute to their success