

DEMOCRATIZATION OF GEOSPATIAL DATA

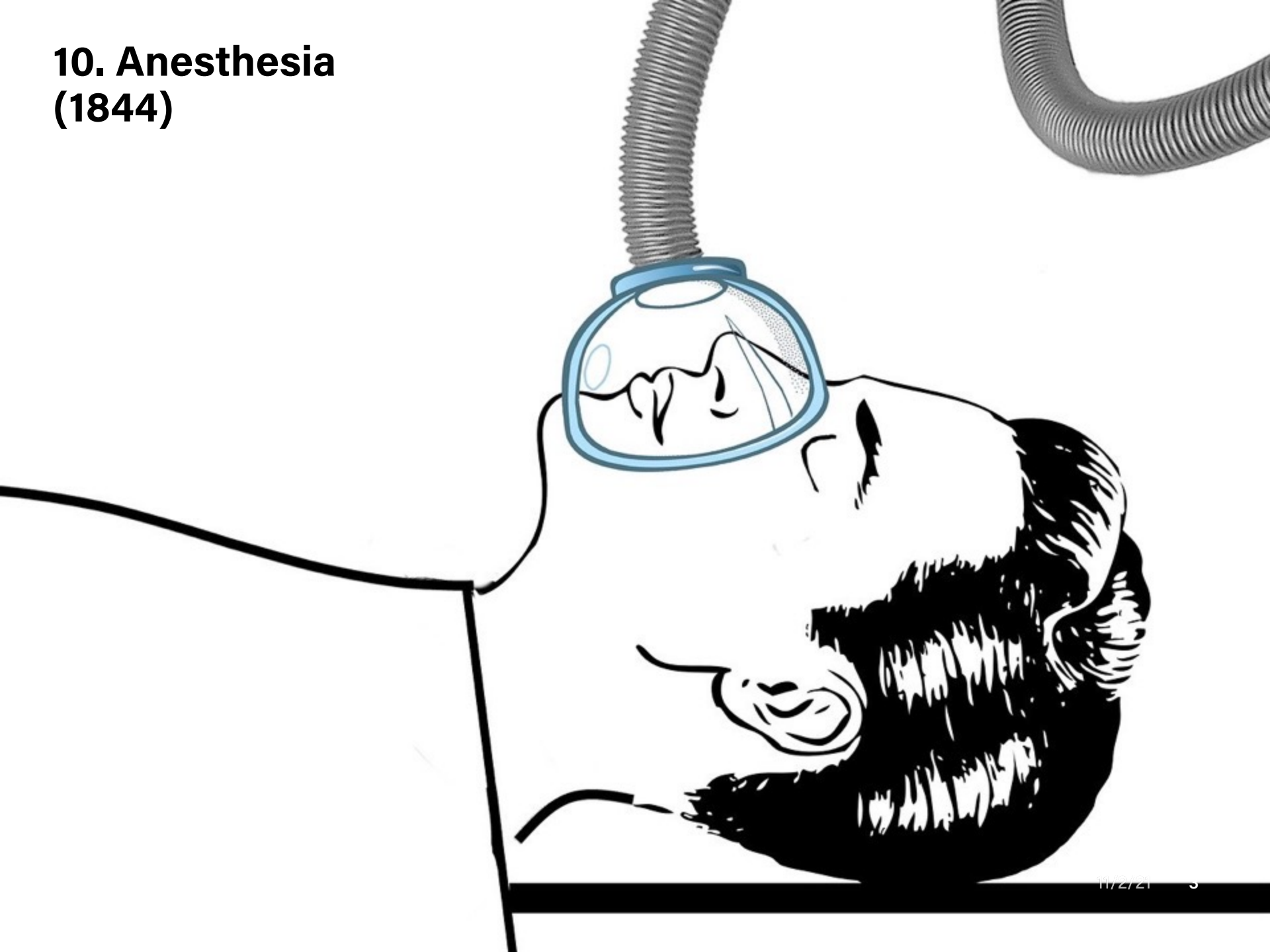
Jinha Jung
Assistant Professor
Lyles School of Civil Engineering
Purdue University

10

The Greatest Inventions

In the past 1,000 years

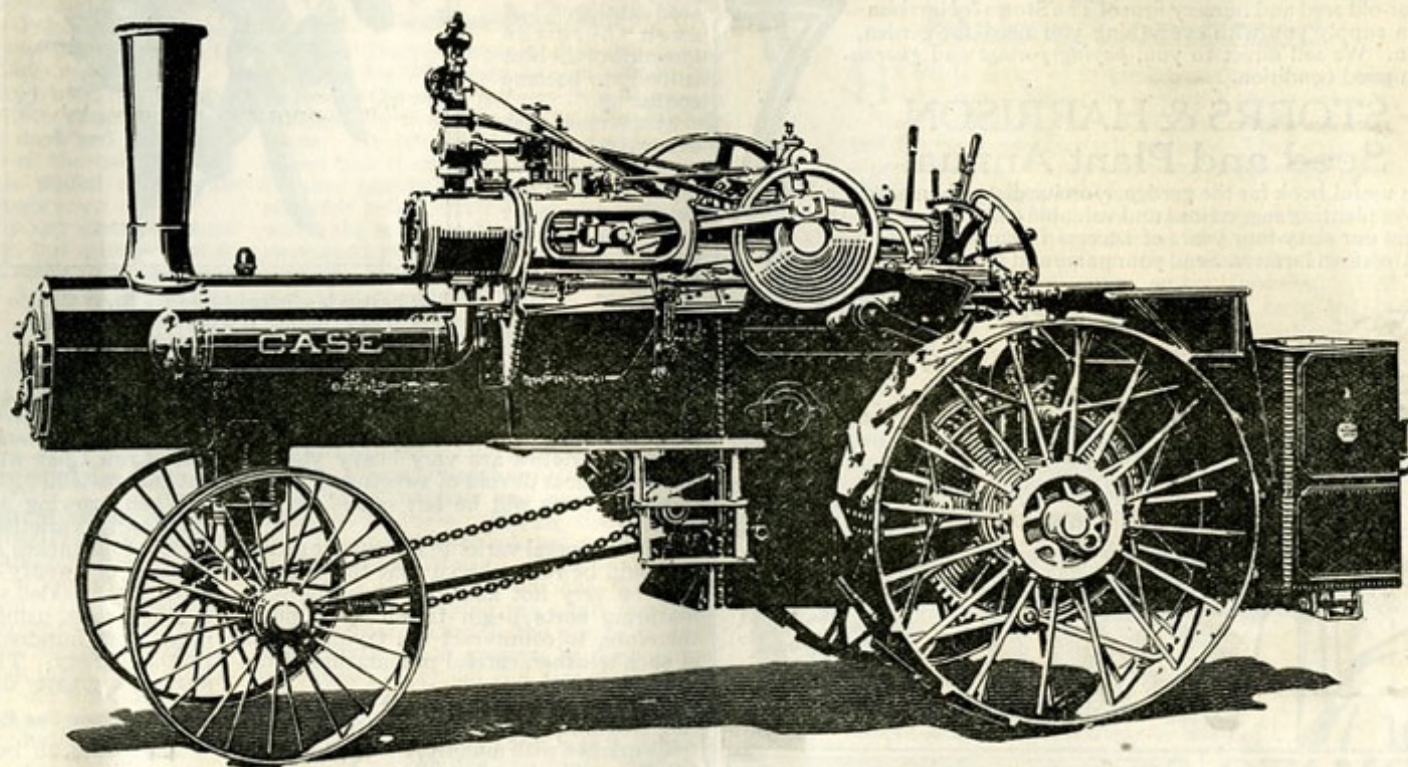
10. Anesthesia (1844)



9. Gas Powered Tractor
(1892)

CASE

*Famous
the
World
Over*



Case Steam Engines

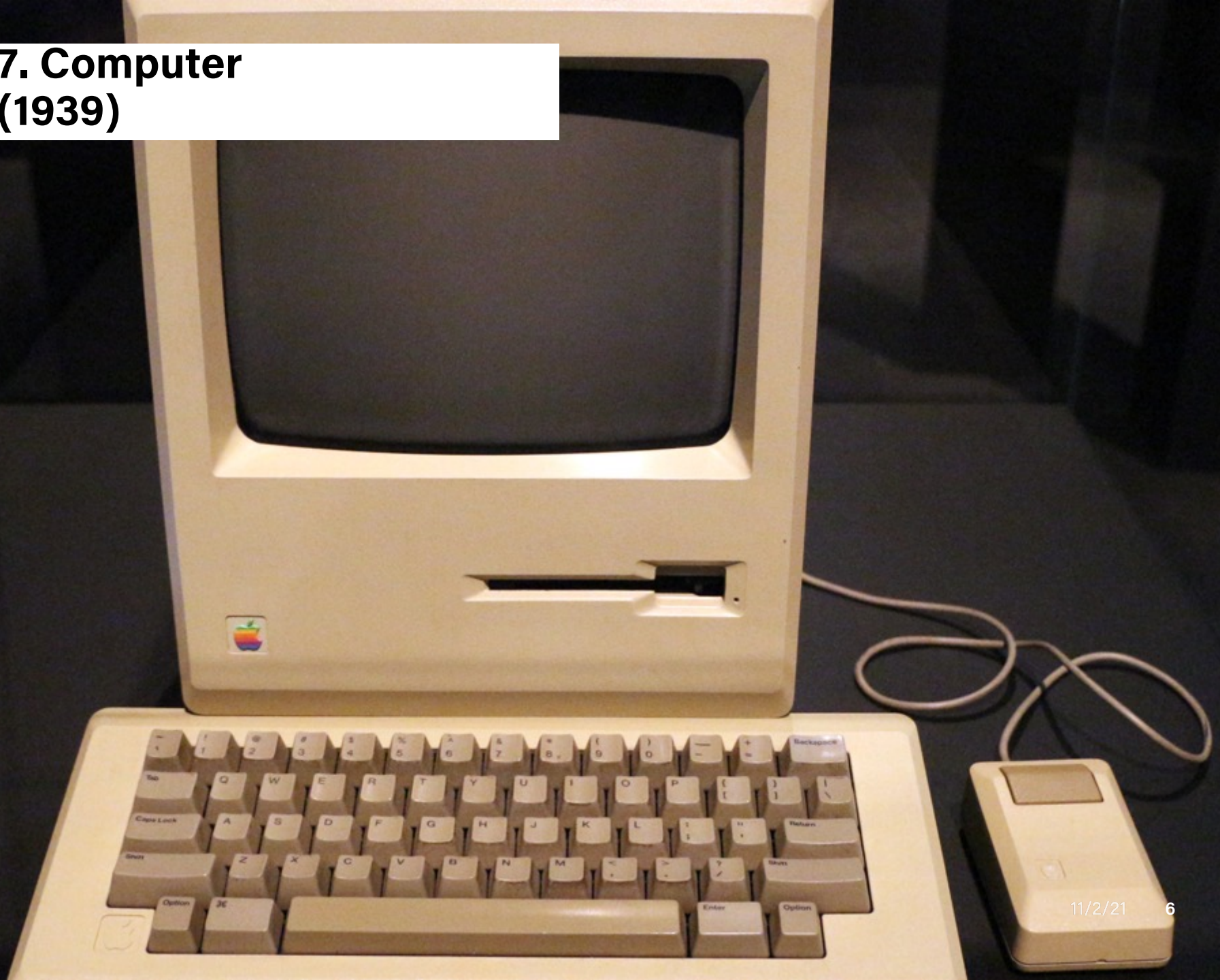
11/2/21

4

8. Airplane (1903)



7. Computer (1939)



6. Vaccination (1796)



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5. Radio and Television (1895, 1926)



4. Telephone (1876)



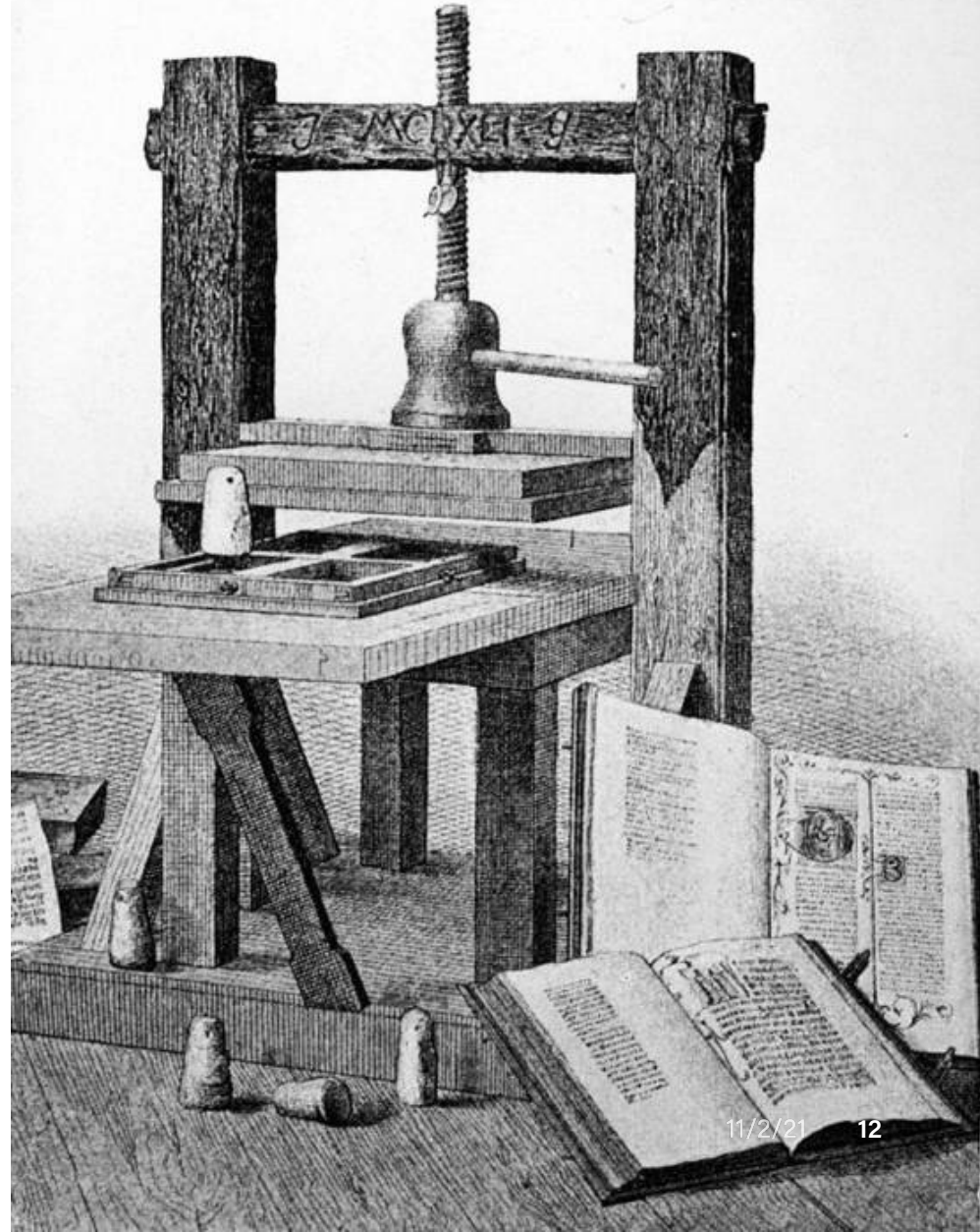
3. Automobile (1885)



2. Electric Light (1879)



1. Printing Press (1450)



직지심경

세계 최초 금속활자

The first movable type metal printing press – 216 years ahead of Gutenberg in 1450

Facebook, Established in 2004

facebook

CyWorld - Established in 1999

TODAY IS..

행복



난 스 | 금 미쳐 ㅏ고 있ㄸ...
이 노ㄸ ㅍ에 내 모든 몸과
영혼을 맡겼ㄸ...

음악만이 ㅏ ㅏ에서 허락ㅎ ㅏ는
유일한 ㅏ ㅏ악이니 ㅏ...

이게 ㅏ ㅏ로 지금의 ㅏ ㅏㄸ...★

HISTORY

ㅏㅏㅏ

ㅏㅏㅏ

ㅏㅏㅏ (ㅎ/ㅏ) 2020. 4. 21 +

「ㅏㅏㅏㅏㅏ...★」 BGM 모음 [1/100]

JJINMAK PLAYLIST

- Sweetbox - Life Is Cool
- 에픽하이 - Fly
- MC몽 - 아이스크림
- 슈퍼주니어 - Mirade
- V.O.S - Beautiful Life
- 마이티 마우스 - 에너지 (feat. 선예)
- 럼블피쉬 - I Go
- 임정희 - Golden Lady (feat. 현아)
- 살전고양이 - 예쁜게 다니
- BGH to - 솜사탕 (feat. 티아라 은정)
- 다비치 - My Man
- 서영은 - 혼자가 아닌 나
- 마야 - 나를 외치다
- 나비 - 잘 된 일이야
- 가비엔제이 - 해바라기
- 웍스 - 내게 남은 사랑을 다 줄게
- Homme - 밥만 잘 먹더라
- BIGBANG - 천국
- 러브홀릭 - Loveholic
- 보아 - 아틀란티스 소녀
- 동방신기 - Hug
- MC 스나이퍼 - 마법의 성
- 다이나믹 듀오 - 죽일 놈
- BIGBANG - We Belong Together
- 박효신 - 친구라는 건 (with 김범수)
- 리쌍 - 헤어지지 못하는 여자, 떠나가지 못하는 남자
- 브라운아이즈 - Love
- MC몽 - 죽을 만큼 아파서 (feat. 멜로우)
- 박봄 - YOU AND I
- 마카야또 - 넌 내게 넌 내 남자 (feat. 파니니)
- 원투 - 못된 여자 (feat. 서인영)
- 크라운제이 - Too Much (with. 서인영)

Home

Profile

Diary

Jukebox

Photo

Visitor

댓글 7

스크랩 125

소망상자

액티브

Sweetbox - Life Is Cool

||

⏮

⏪

⏩

⏭

LIST

선물가게 / 추천BGM

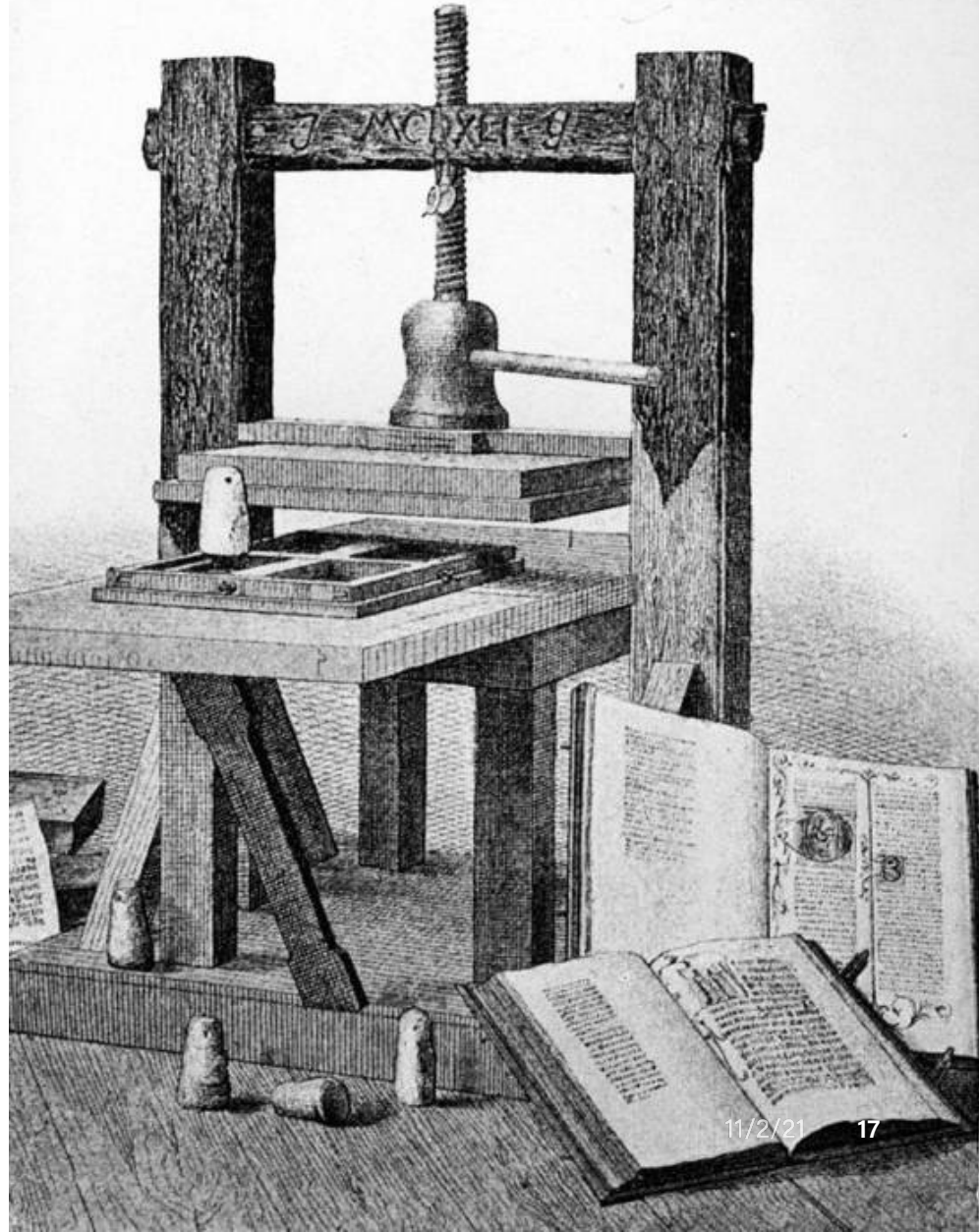



Social Network Service in Korea

싸이월드-페이스북 순방문자수 추이
(자료=코리안클릭, 단위=만명)



1. Printing Press (1450)



Mass Media



Independent Media



Traditional Remote Sensing Platforms

Spaceborne

Satellite
Optical Sensor/SAR
700-900km



Space Shuttle



185-575km

Airborne

Aerial Photography



Airborne SAR



Modern Remote Sensing Platforms



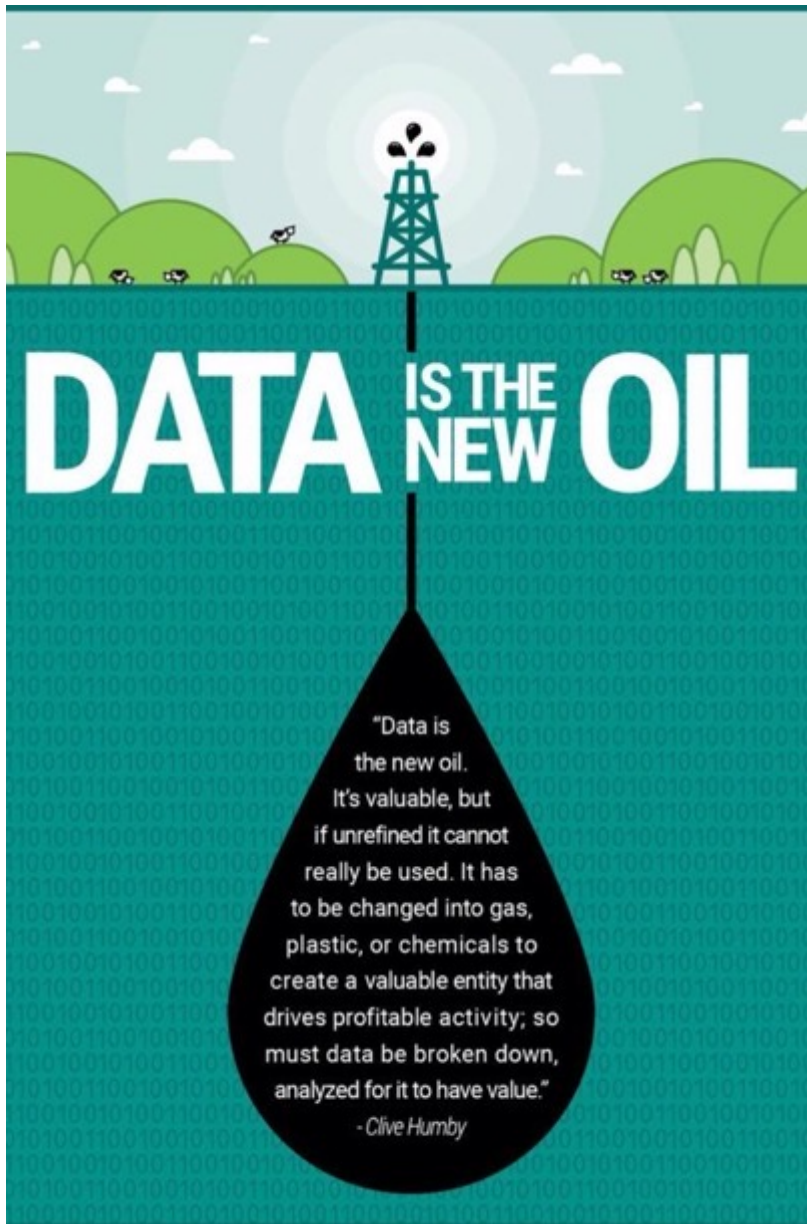
GeoSpatial

Data is the New Oil

4th Industrial *Revolution*

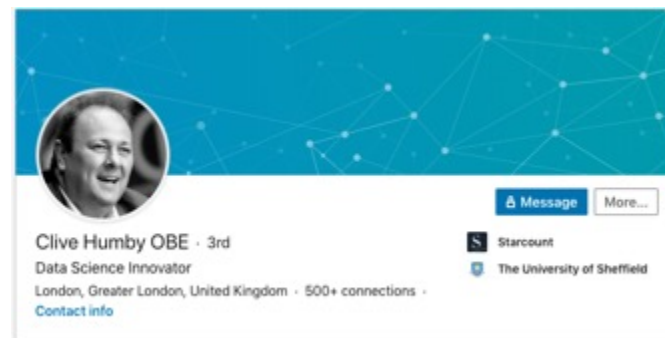


"Oil changed the world in the 1900s. It drove cars, it drove the whole chemical industry," Krzanich explains. "Data, I look at it as the new oil. It's going to change most industries across the board."



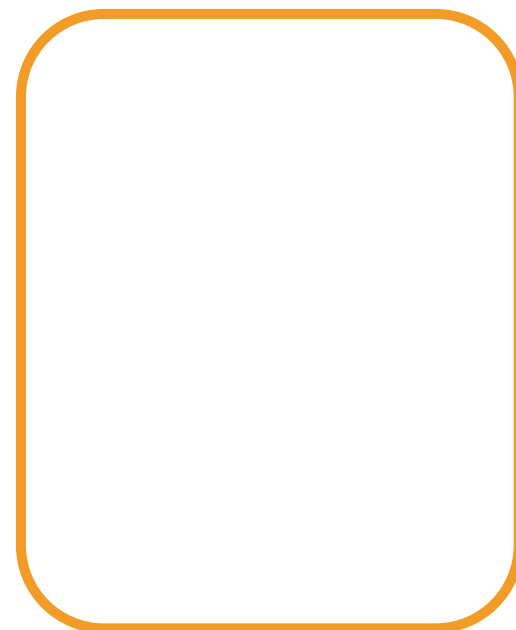
Extracting vs Refining

“Data is the new oil. It’s valuable, but if unrefined it cannot really be used. It has to be changed into gas, plastic, or chemical to create a valuable entity that drives profitable activity, so must data be broken down, analyzed for it to have value.”



OIL FIELD

1.



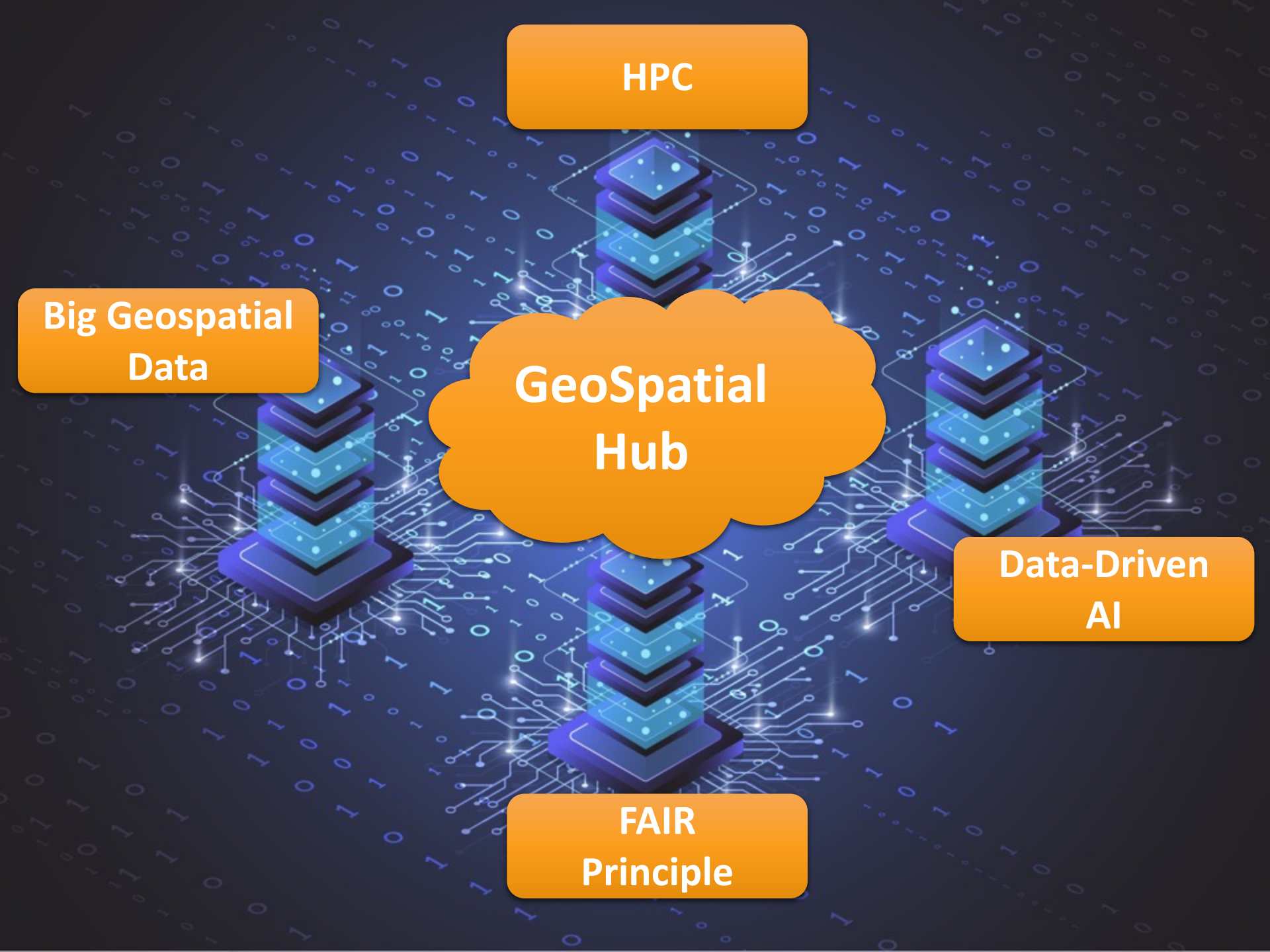
HPC

**Big Geospatial
Data**

**GeoSpatial
Hub**

**Data-Driven
AI**

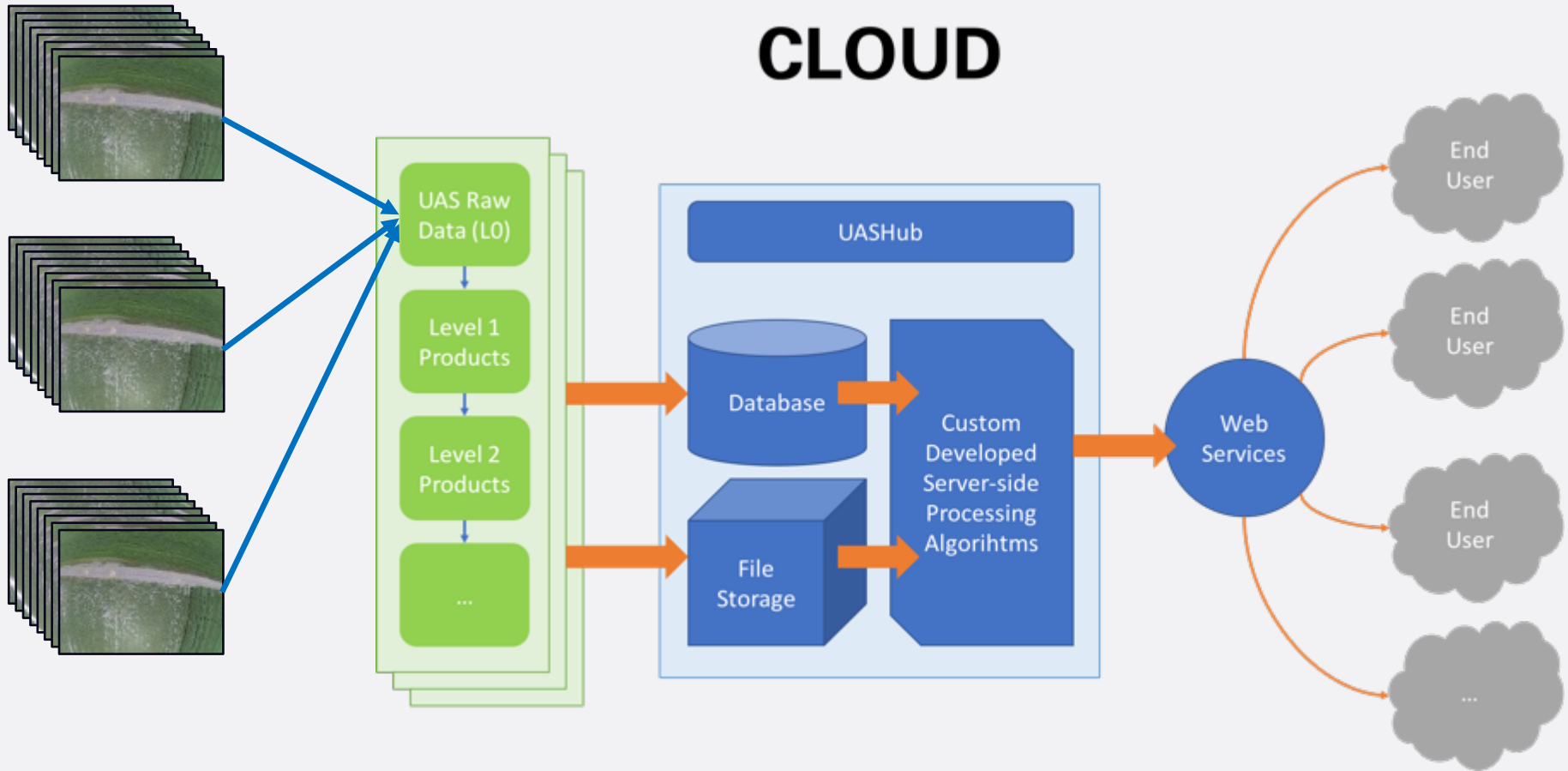
**FAIR
Principle**



UASHub Design

ORACLE®

CLOUD



UASHub WTXCottonHub WheatHub LiDARHub

THANK YOU

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<https://gdslab.org>