Information System Roles

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http://jpaulgibson.synology.me/~jpaulgibson/TSP/Teaching/
CSC4104/CSC4104-InformationSystemTypesComponents.pdf

Information System Roles

Two aspects:

- the roles of people in development, maintenance and use of Information Systems

- the roles of the Information System

https://opentextbook.site/informationsystems2019/chapter/chapter-9-the-people-in-information-systems-information-systems-introduction/

Information System- Roles of people

The Creators of Information Systems

The first group of people to be considered play a role in designing, developing, and building information systems.

These people are generally technical and have a background in programming, analysis, information security, or database design.

Information System- Roles of people

The Creators of Information Systems

- Systems Analyst

- Programmer/Developer

- UX designer

- Computer (HW/SW/NW) Engineer

- Information Systems Operations and Administration

- Computer Operator

- Database Administrator

- Help Desk/Support Analyst

- Trainer

Information System- Roles of people

Managing Information Systems

The management of information-systems functions is critical to the success of information systems within the organization:

• Chief Information Officer (CIO)

• Functional Manager

• Enterprise resource planning (ERP) Management

• Project Managers

• Information Security Officer

Information System- Roles of people

Emerging Roles

As technology evolves many new roles are becoming more common as other roles diminish. For example, as we enter the age of "big data," we are seeing the need for more data analysts and business intelligence specialists.

Many companies are now hiring social media experts and mobile technology specialists.

The increased use of cloud computing and Virtual Machine (VM) technologies also is increasing demand for expertise in those areas.

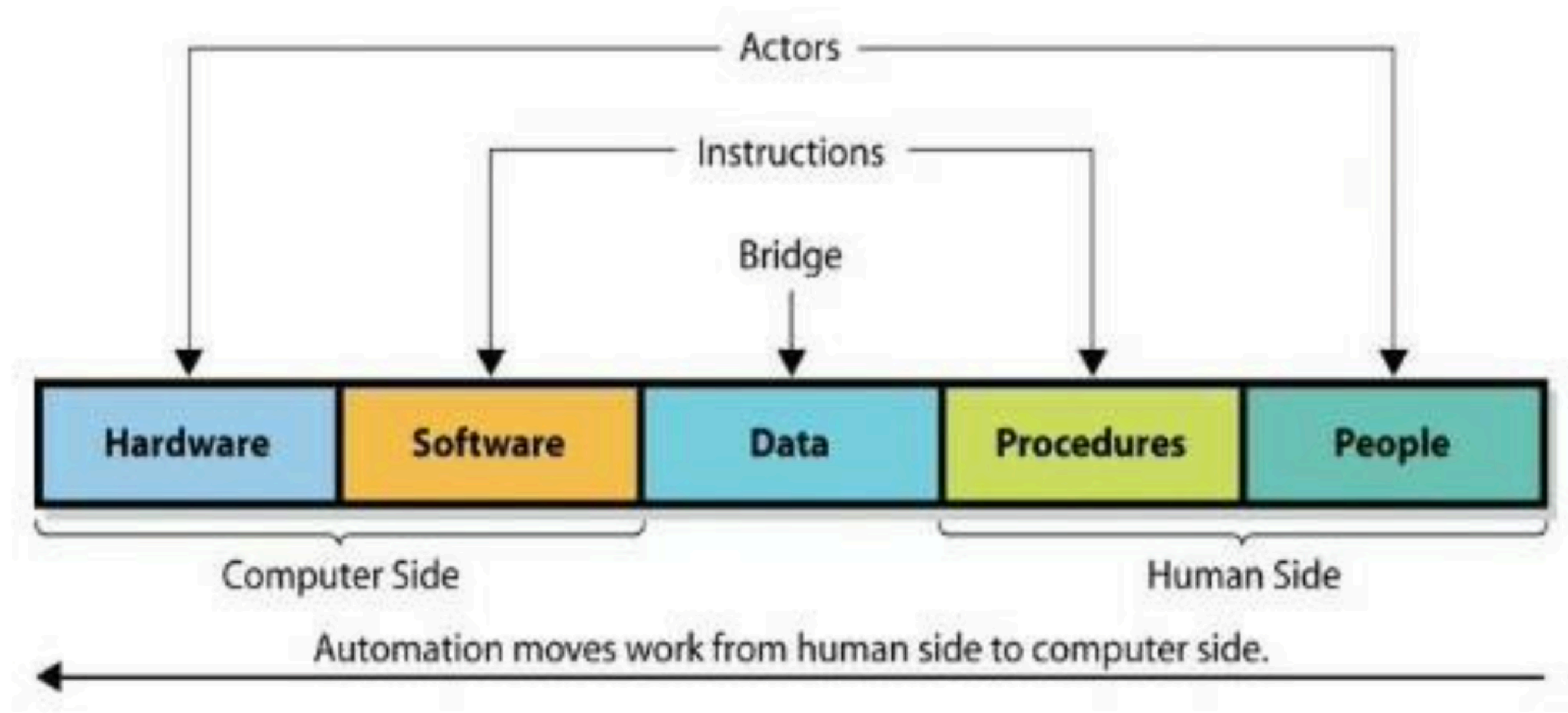We also have dedicated roles for AI, digital twins, digital ethics

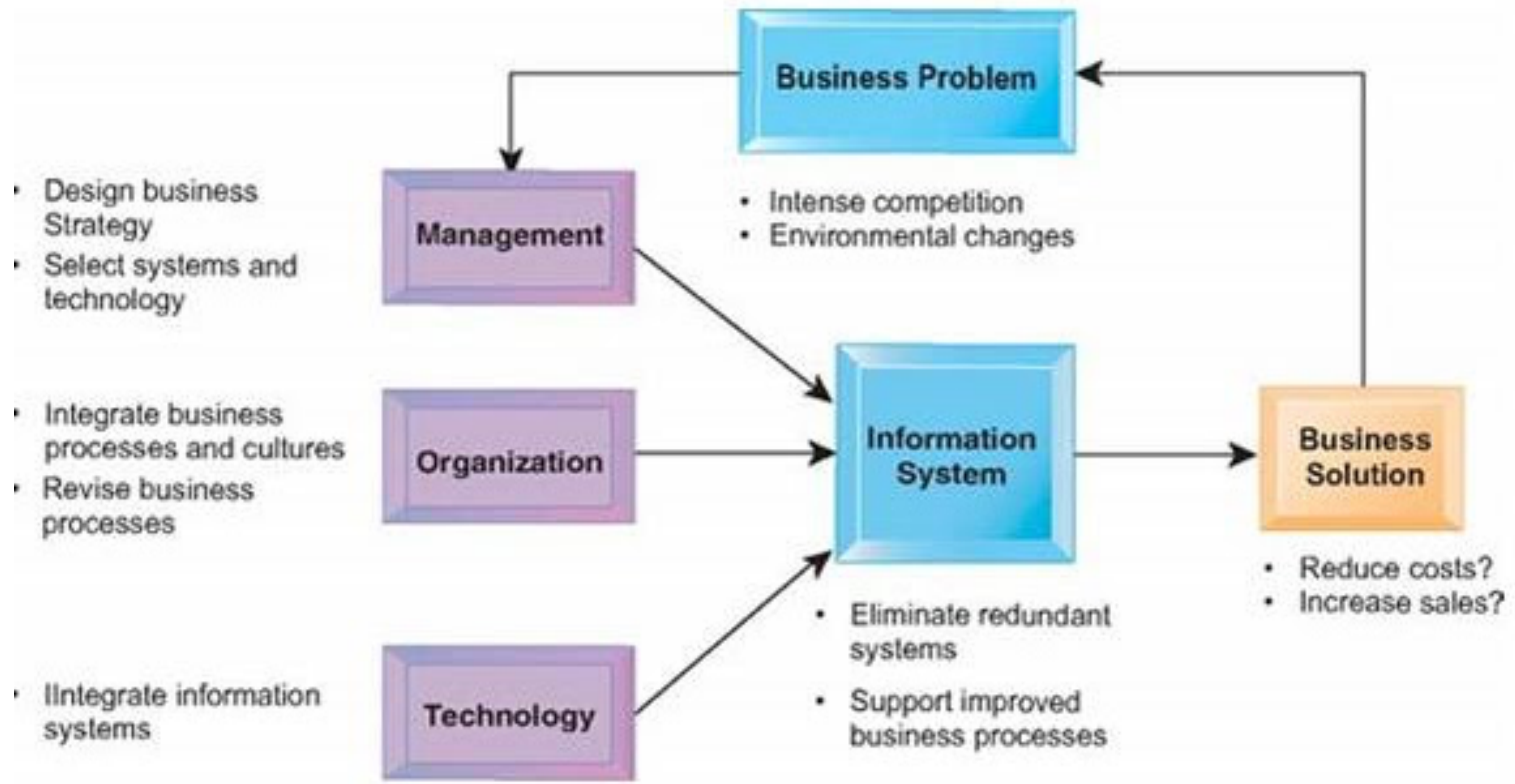# *Information System Roles - of the information system*

Four key aspects:

- Information Storage and Analysis

- Assist With Making Decisions

- Assist With Business Processes

- Automation

https://opentextbook.site/informationsystems2019/chapter/chapter-9-the-people-in-information-systems-information-systems-introduction/
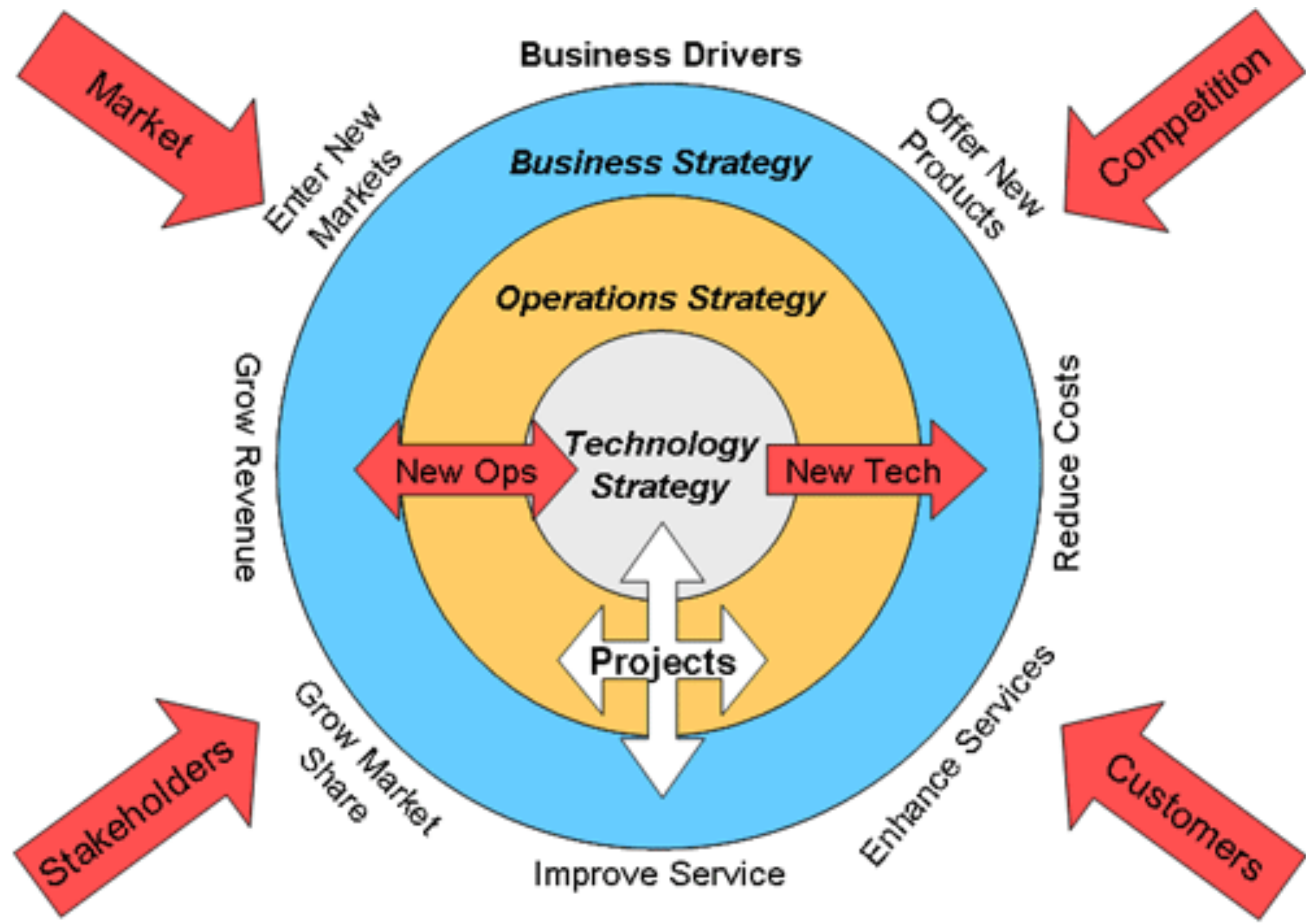
Information System- linking humans with machines

http://makeassignment.blogspot.com/2013/06/informational-system-strategy-and.html

Information System- Strategic Roles of people

https://bennethkc.wordpress.com/2013/12/13/alignment-between-information-systems-and-organisational-strategies-1/

Information System- Roles of people

Information System Security Analyst

https://www.infosectrain.com/blog/how-to-become-an-information-security-analyst/

Information System- Roles of people

Information System Ethical Analyst

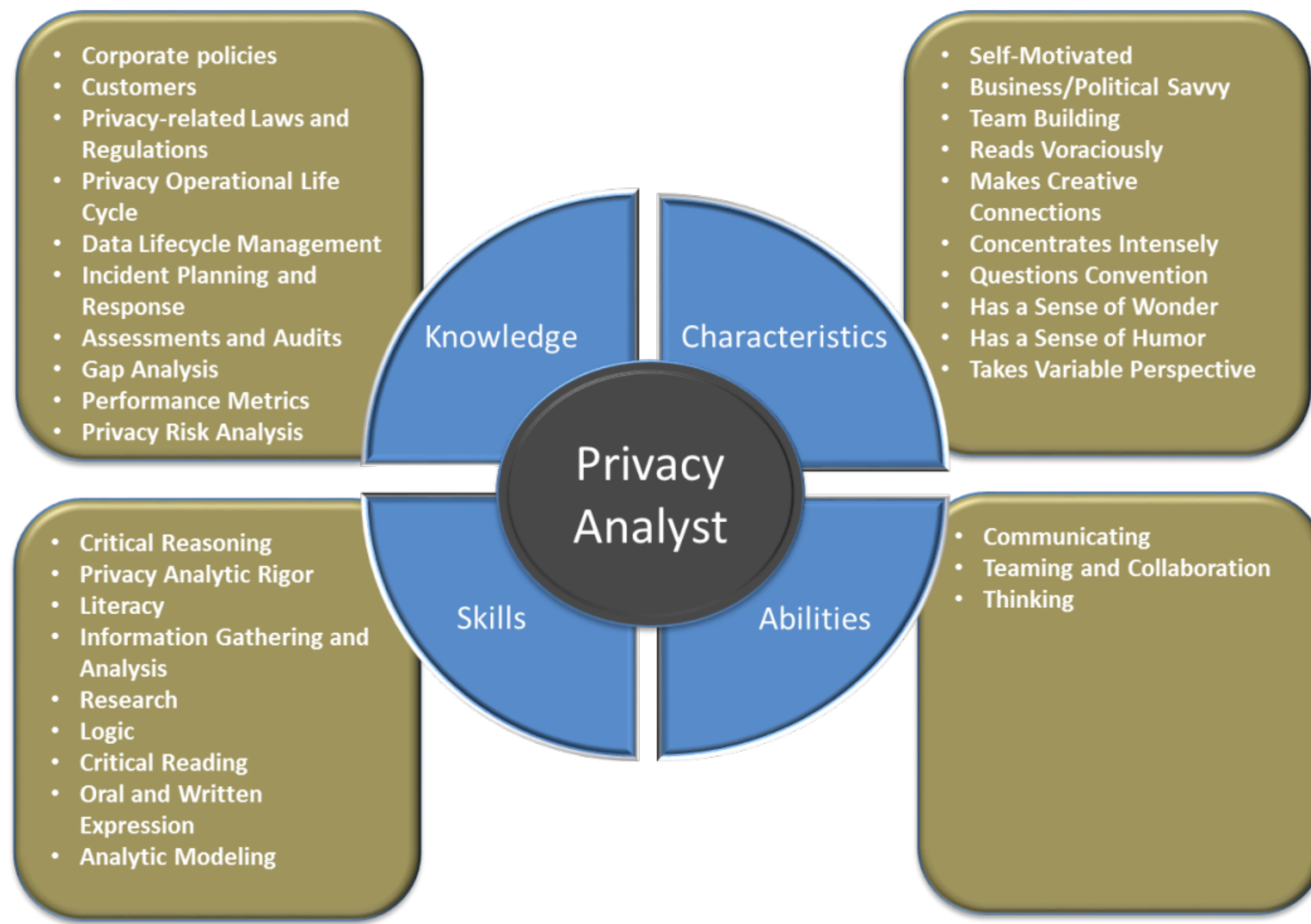*To whom is the analyst ultimately* **responsible?**

How We Profess:

The **Ethical** Systems Analyst

https://dl.acm.org/doi/pdf/10.1145/227234.227244

Information System- Roles of people

Information System Data Protection/Privacy/Compliance Analyst

Knowledge
- Corporate policies
- Customers
- Privacy-related Laws and Regulations
- Privacy Operational Life Cycle
- Data Lifecycle Management
- Incident Planning and Response
- Assessments and Audits
- Gap Analysis
- Performance Metrics
- Privacy Risk Analysis

Characteristics
- Self-Motivated
- Business/Political Savvy
- Team Building
- Reads Voraciously
- Makes Creative Connections
- Concentrates Intensely
- Questions Convention
- Has a Sense of Wonder
- Has a Sense of Humor
- Takes Variable Perspective

Skills
- Critical Reasoning
- Privacy Analytic Rigor
- Literacy
- Information Gathering and Analysis
- Research
- Logic
- Critical Reading
- Oral and Written Expression
- Analytic Modeling

Abilities
- Communicating
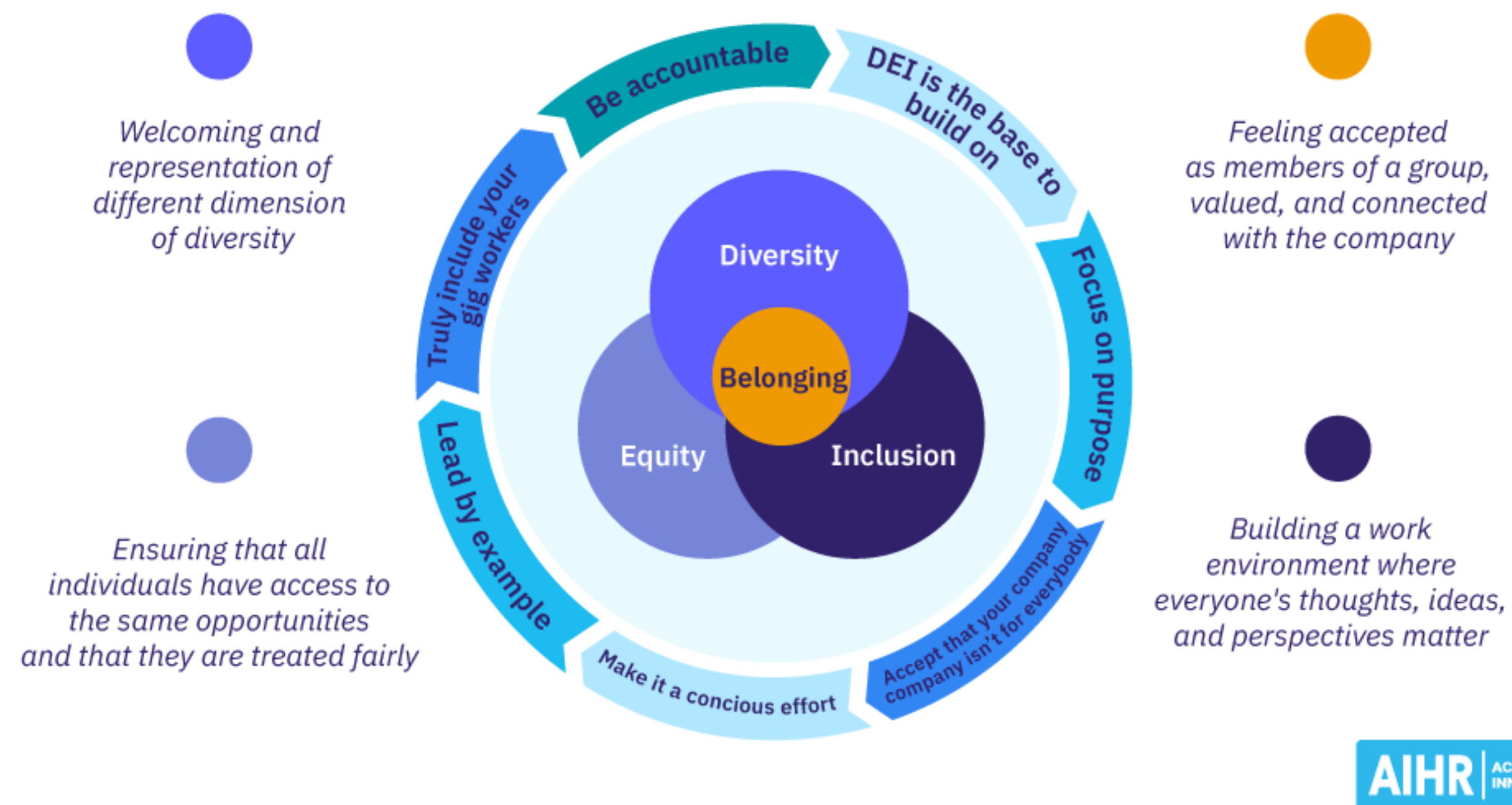- Teaming and Collaboration
- Thinking

Privacy Analyst

https://iapp.org/news/a/privacy-analysts-should-be-more-than-compliance-officers-2/

Information System- Roles of people

Information System Inclusion Analyst

https://www.aihr.com/blog/diversity-equity-inclusion-belonging-deib/

Information System- Roles of people

Information System Accessibility Analyst

https://blog.mirrorreview.com/google-cloud-jobs/

Information System- Roles of people

Information System Usability Analyst

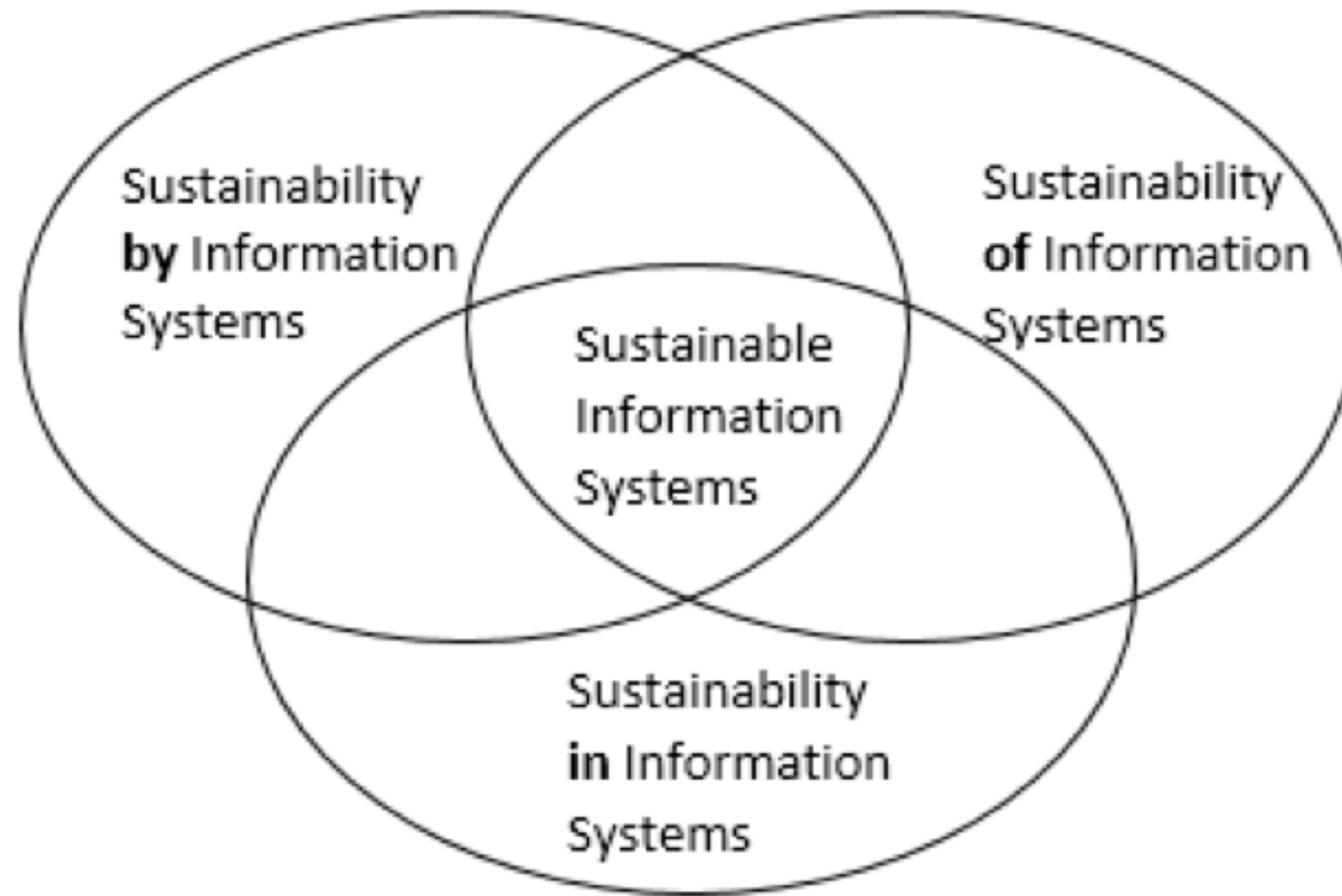System Usability Scale

The System Usability Scale (SUS) helps measure:

Efficiency:
How fast someone can use a product

Intuitiveness:
How effortlessly someone can understand a product

Ease:
How simple a product is to use

Satisfaction:
How much a user subjectively likes or dislikes using a product

HubSpot

https://blog.hubspot.com/service/system-usability-scale-sus

Information System- Roles of people

Information System Sustainability Analyst

https://boris.unibe.ch/98846/1/ICIS2016.pdf

Information System- Roles of people