

Global Hydrological Monitoring Industry Trends

October 17, 2013
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350+ customers with 5000+ AQUARIUS licenses

▶ *De facto* North American standard



Global Hydrological Monitoring Industry Survey

- ▶ Conducted in September & October 2012
- ▶ Promoted by AI, WMO, IAHS, & AWRA
- ▶ Over 700 respondents from 90 countries
 - ▶ 47% engineers / hydrographers
 - ▶ 33% scientists / researchers
 - ▶ 13% program managers
 - ▶ 7% other



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7 categories with 35 questions:

1. Organization Profile
2. Network Design
- 3. Technology**
4. Quality Management System
5. Training & HR
6. Data Consumer Expectations
- 7. Data Management**

Today we will focus on 2 categories.

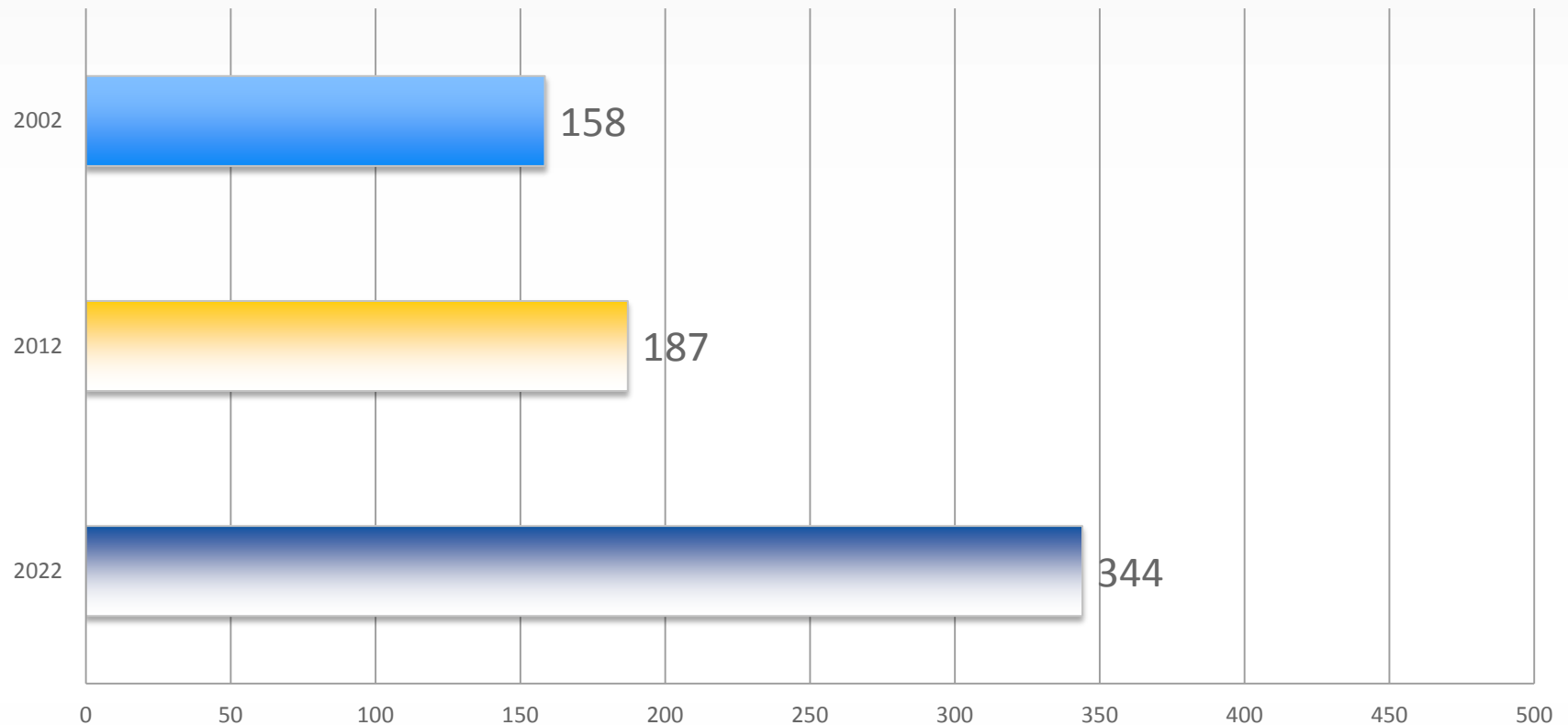


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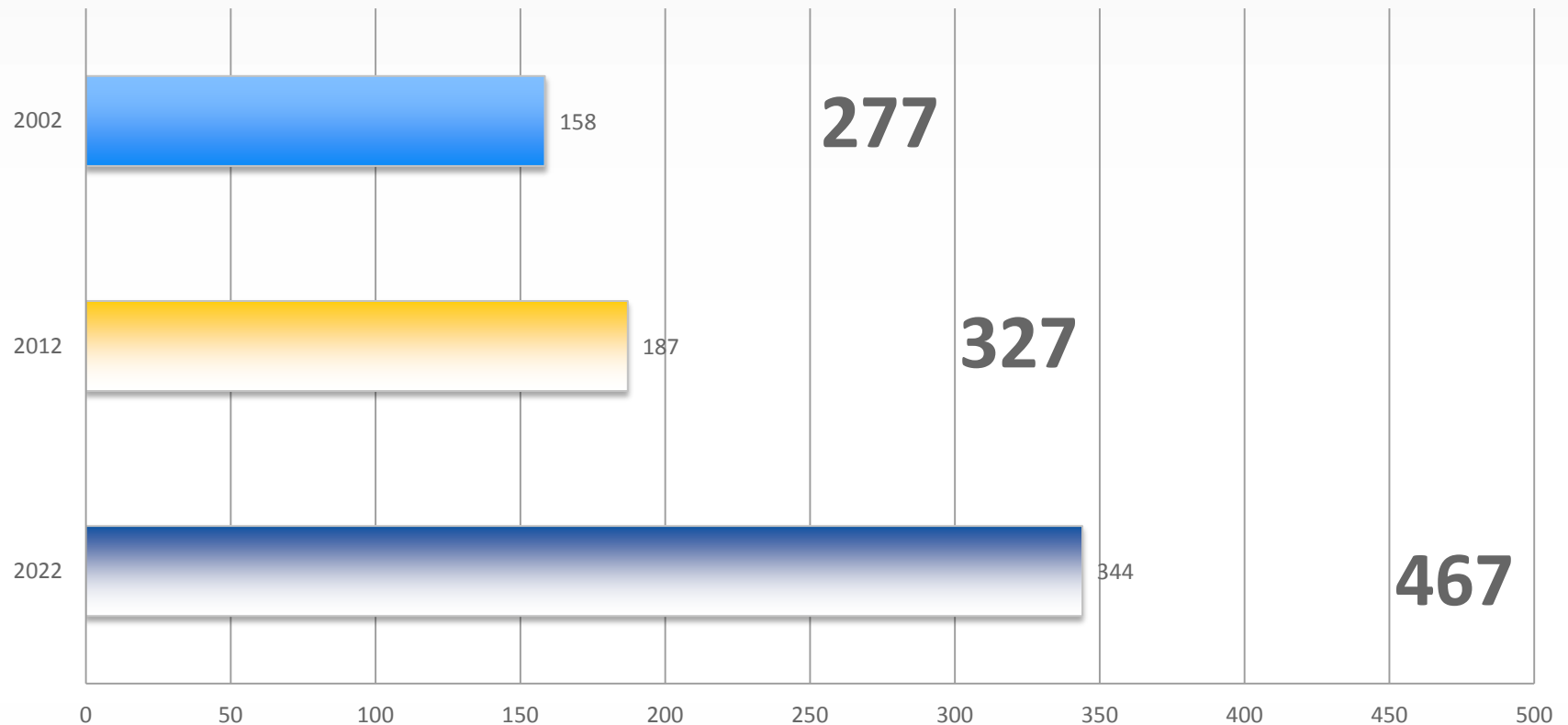


Is the size of USA networks changing over time?

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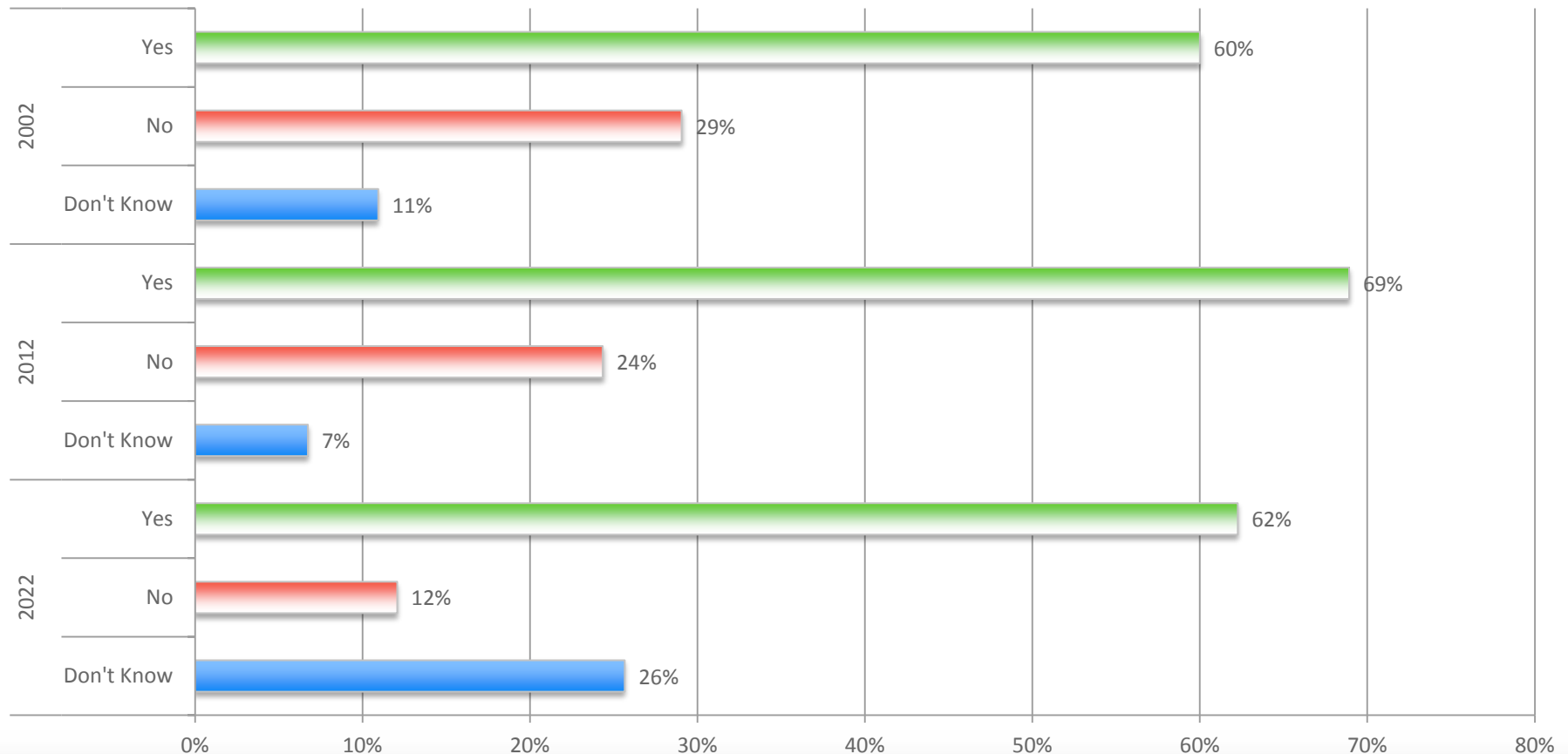


Is the size of USA networks changing over time?



Do USA organizations co-operate or co-manage with other agencies / organizations?

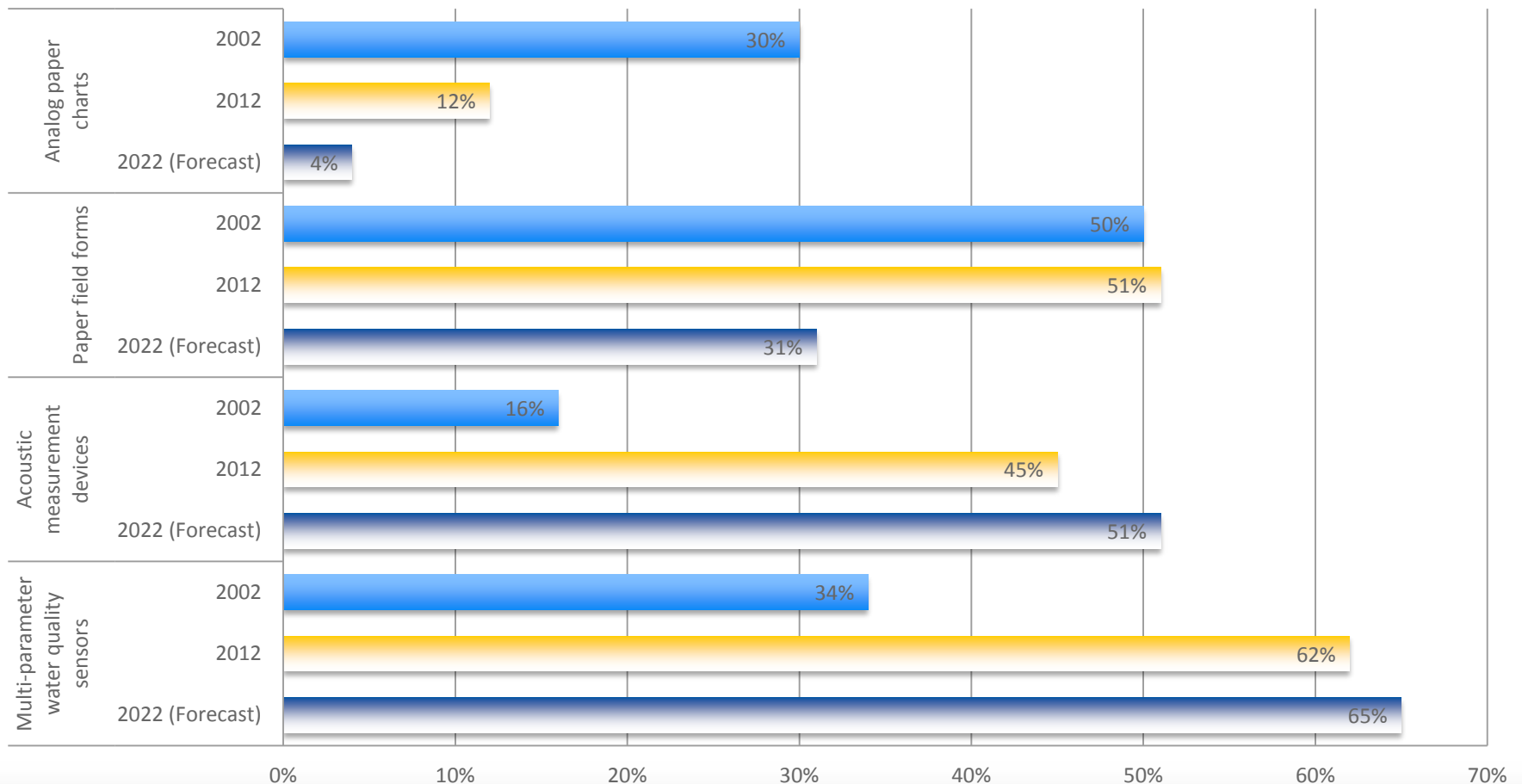
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Are the technologies used in the USA changing?

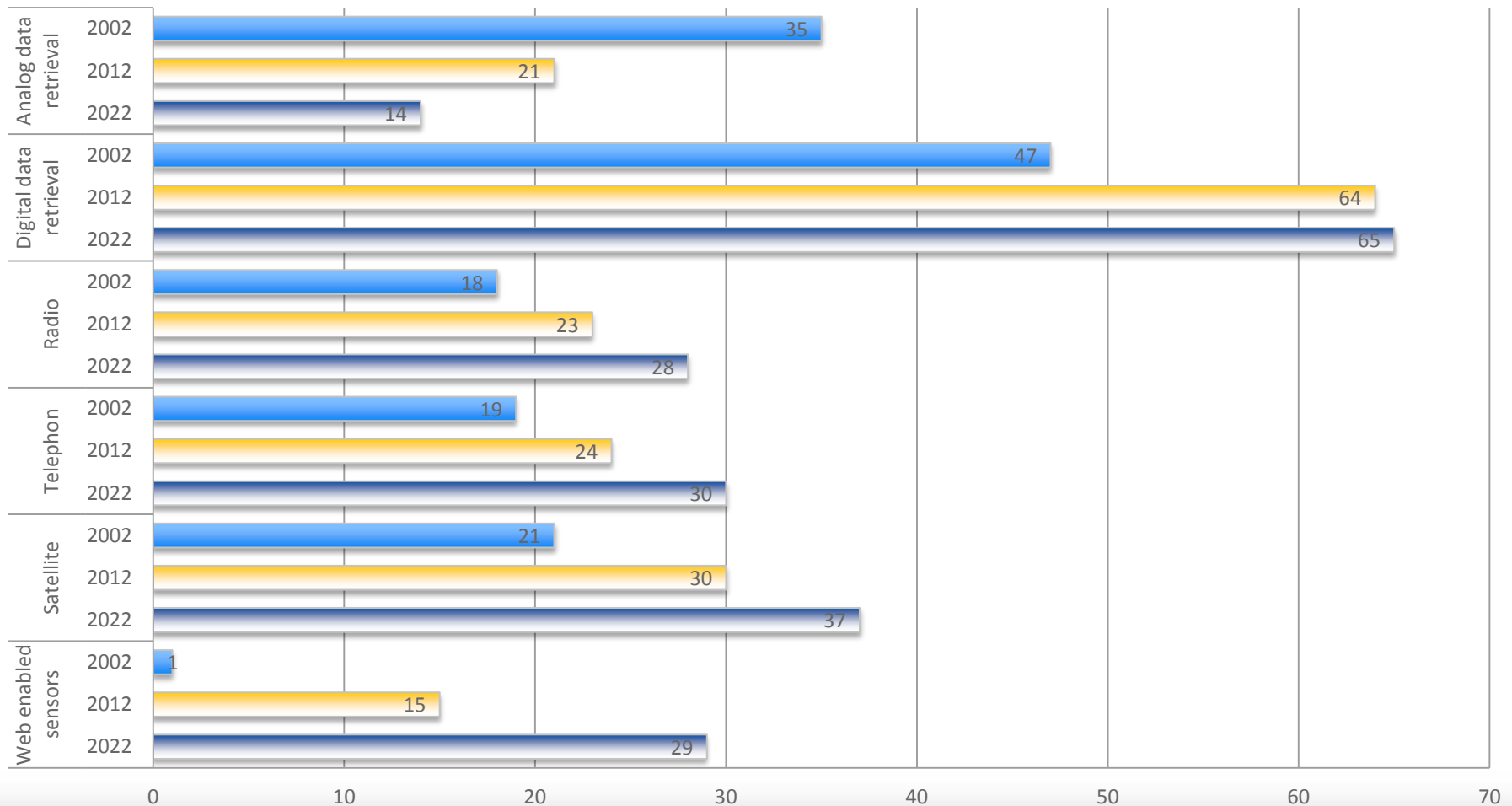


Are the technologies used in the USA changing?



Are data communications technologies changing?

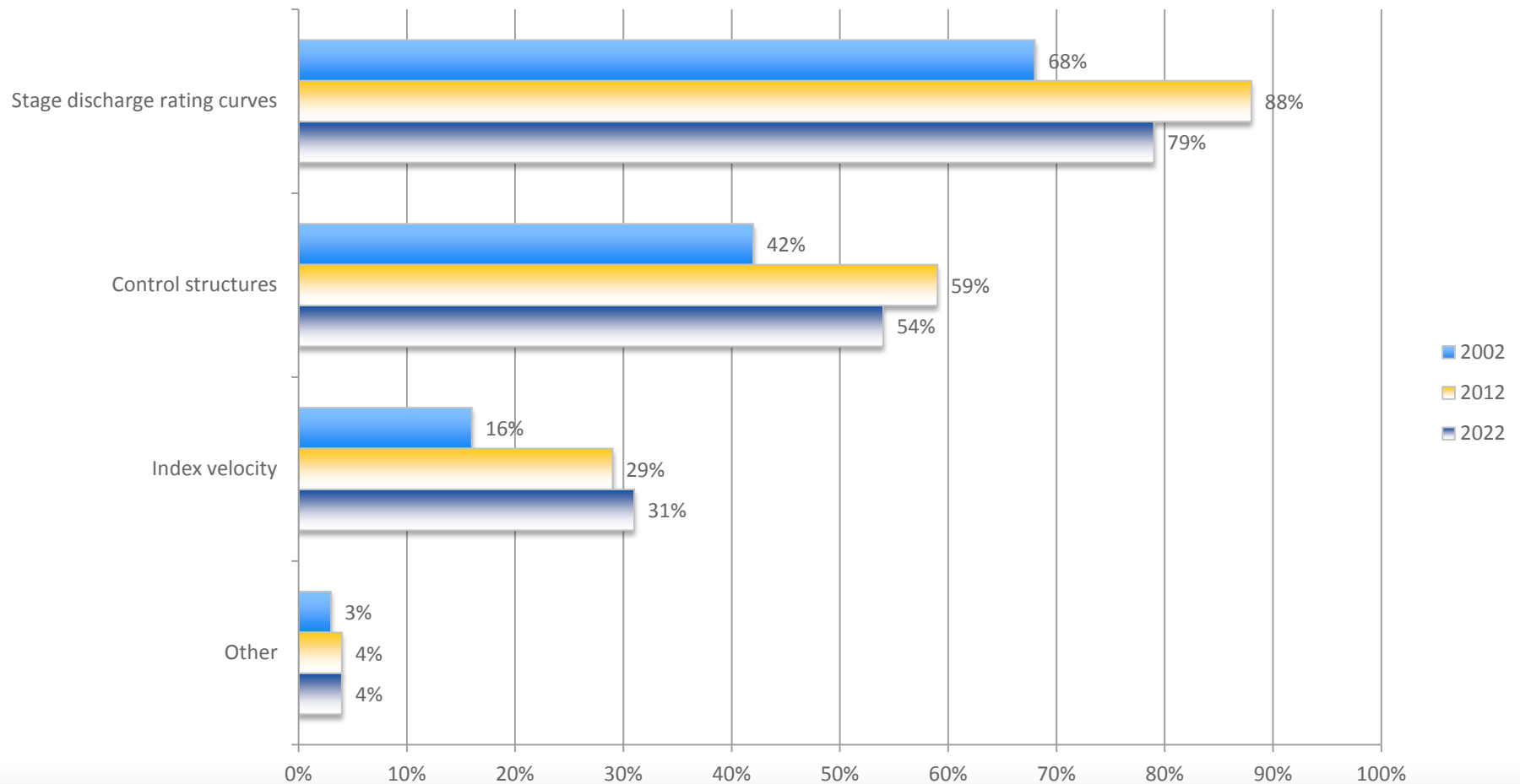
Are data communications technologies changing?



Are hydrometric monitoring techniques changing?

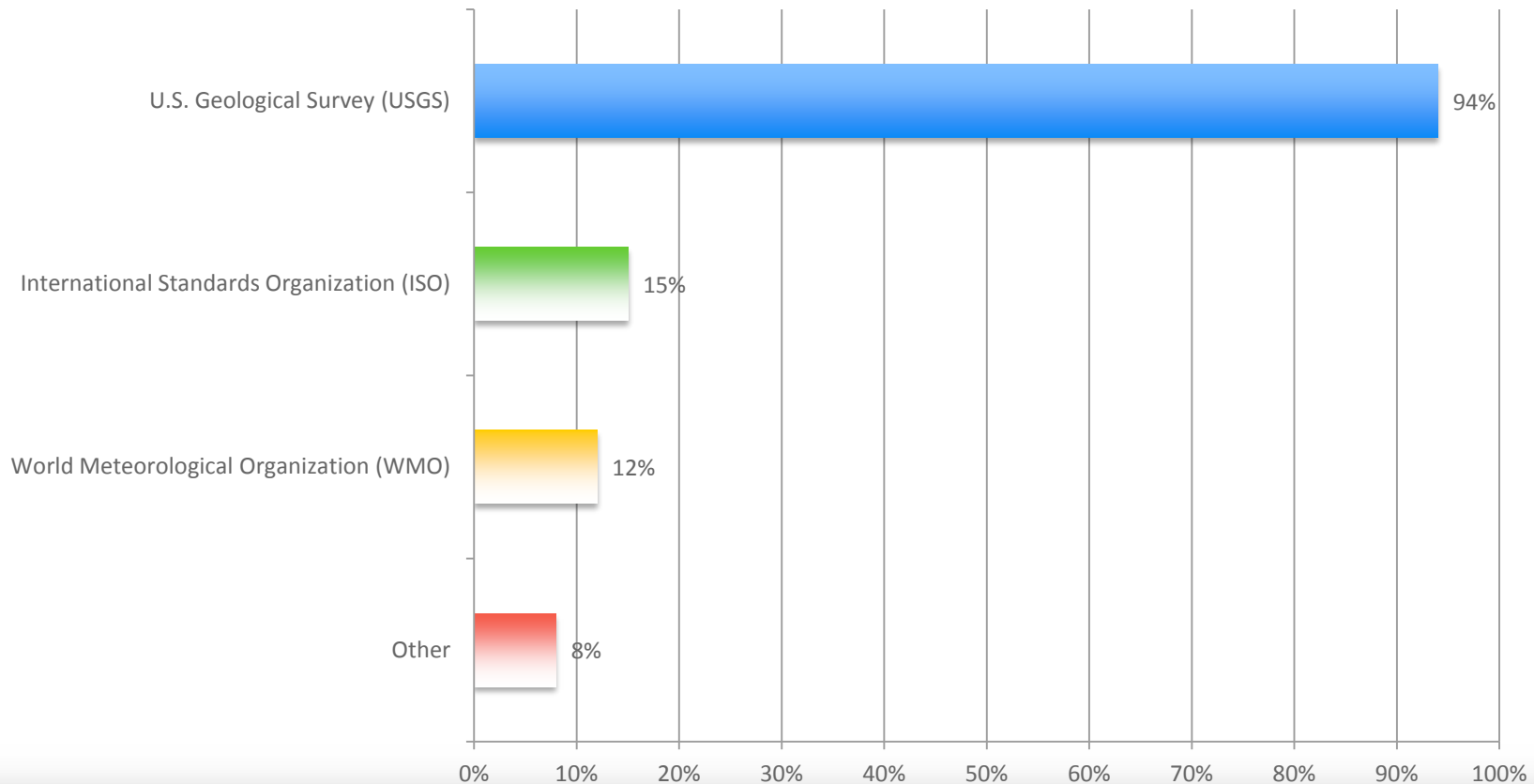


Are hydrometric monitoring techniques changing?

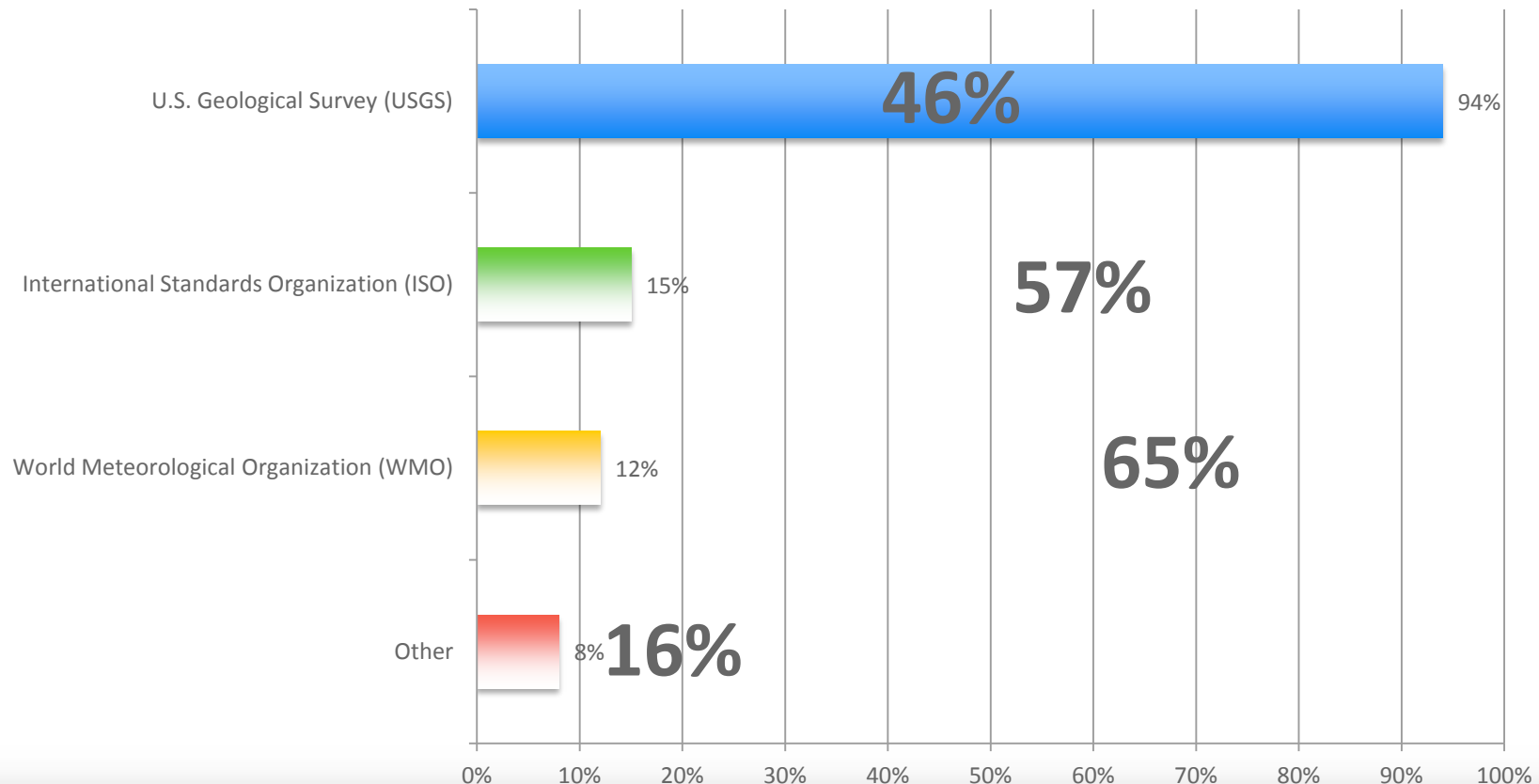


Which standard operating procedure documents does the USA use, or plan to start using?

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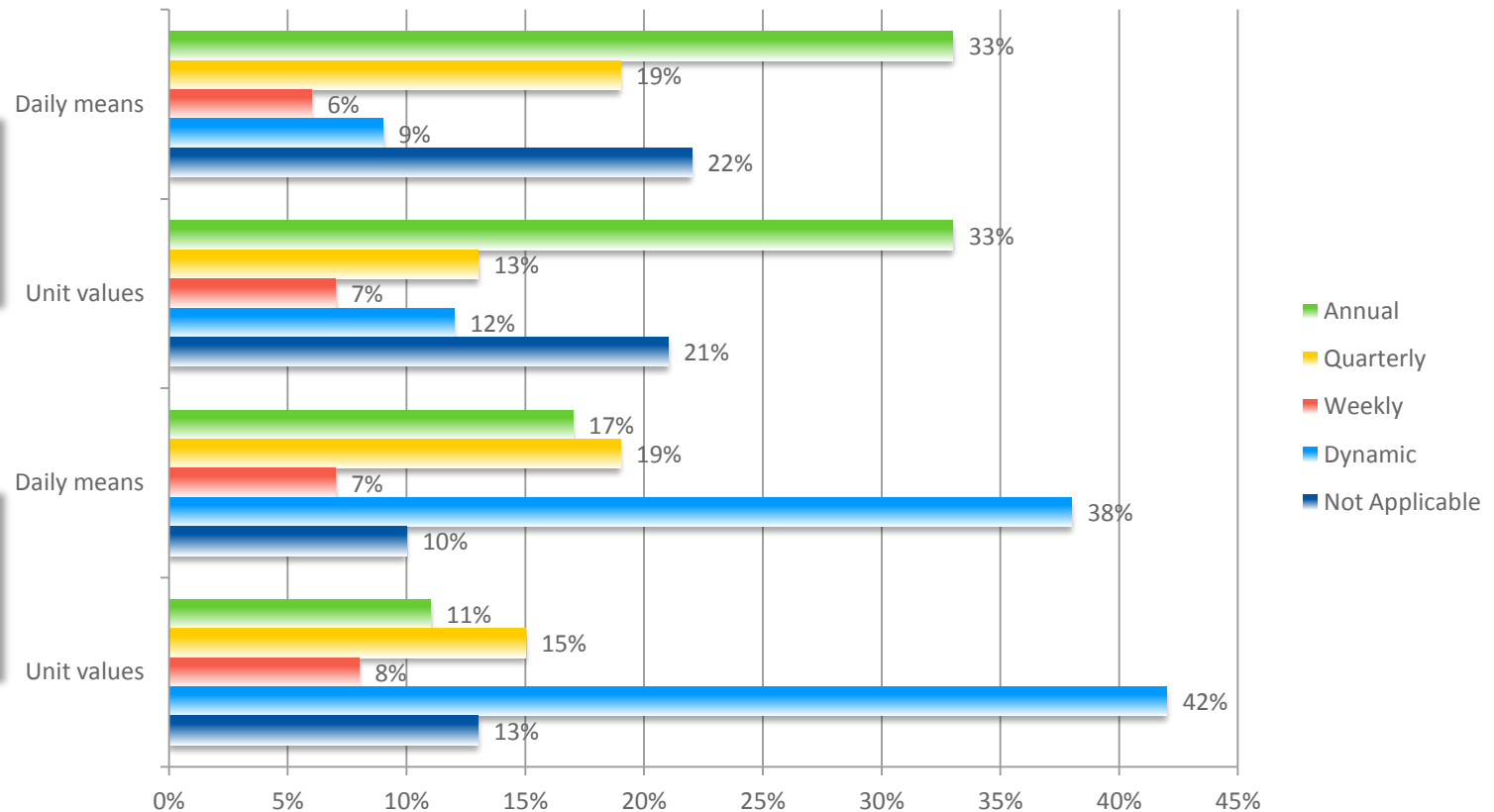


How are expectations changing with respect to the timeliness of quality controlled data in the USA?

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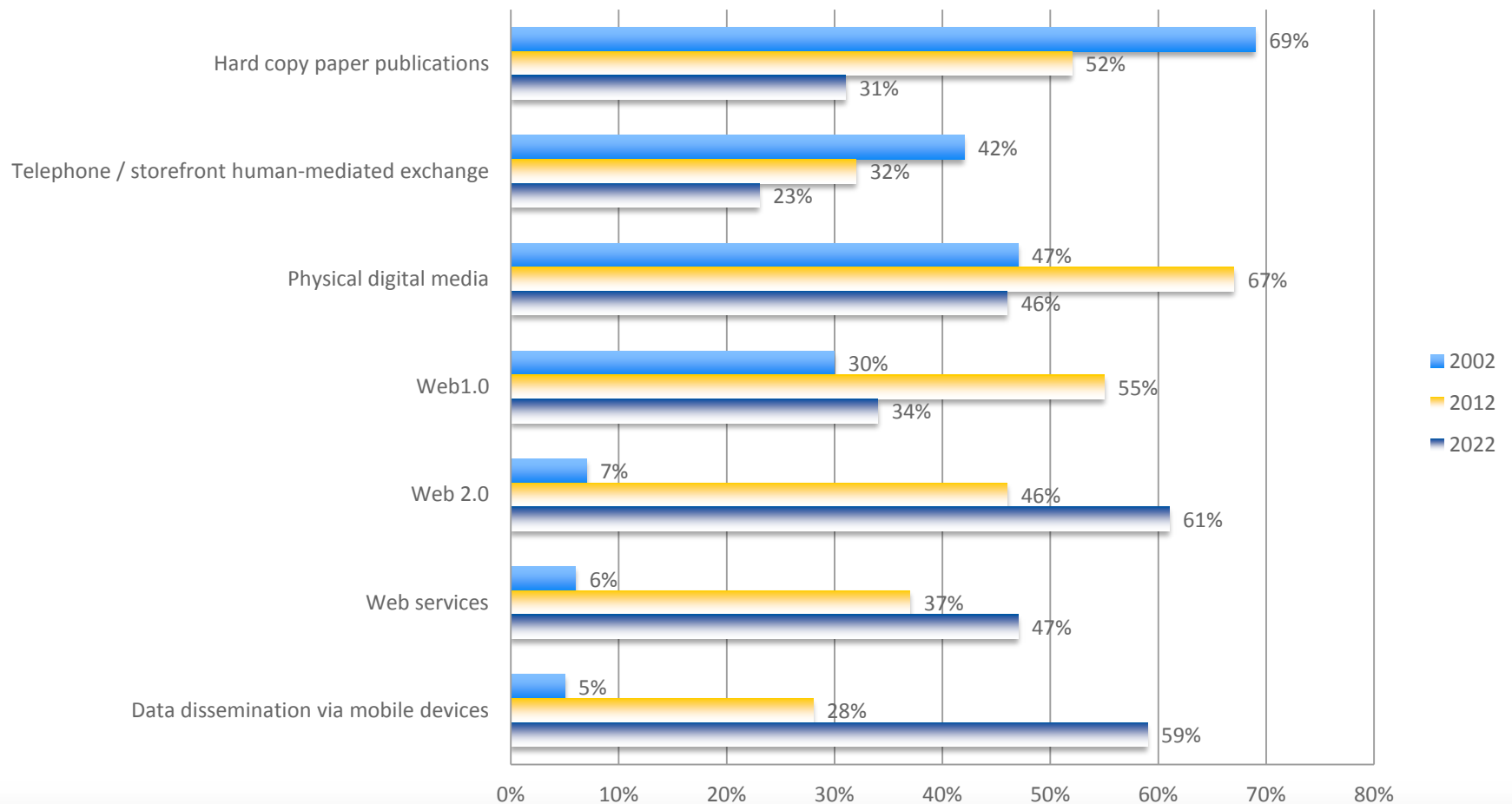
2002
quarterly

2022
continuous



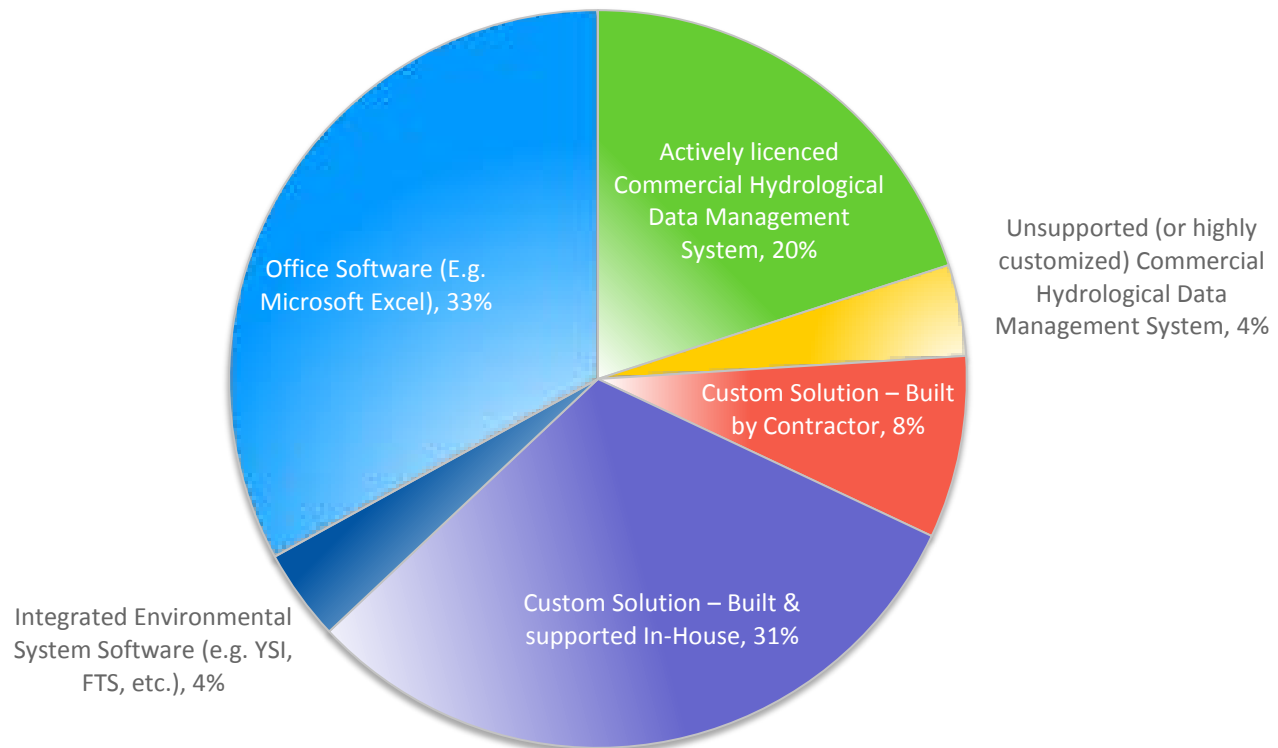
Are USA data dissemination methods changing?

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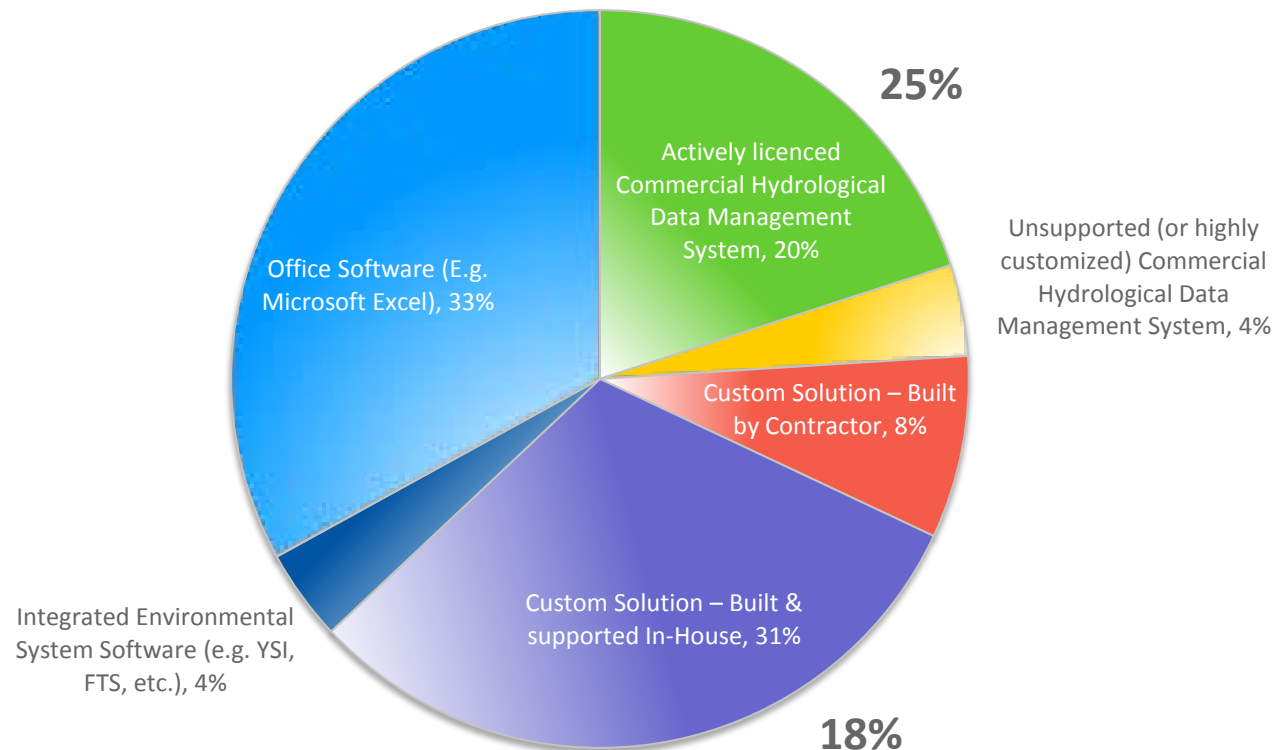


Which data management system do USA organizations primarily use?

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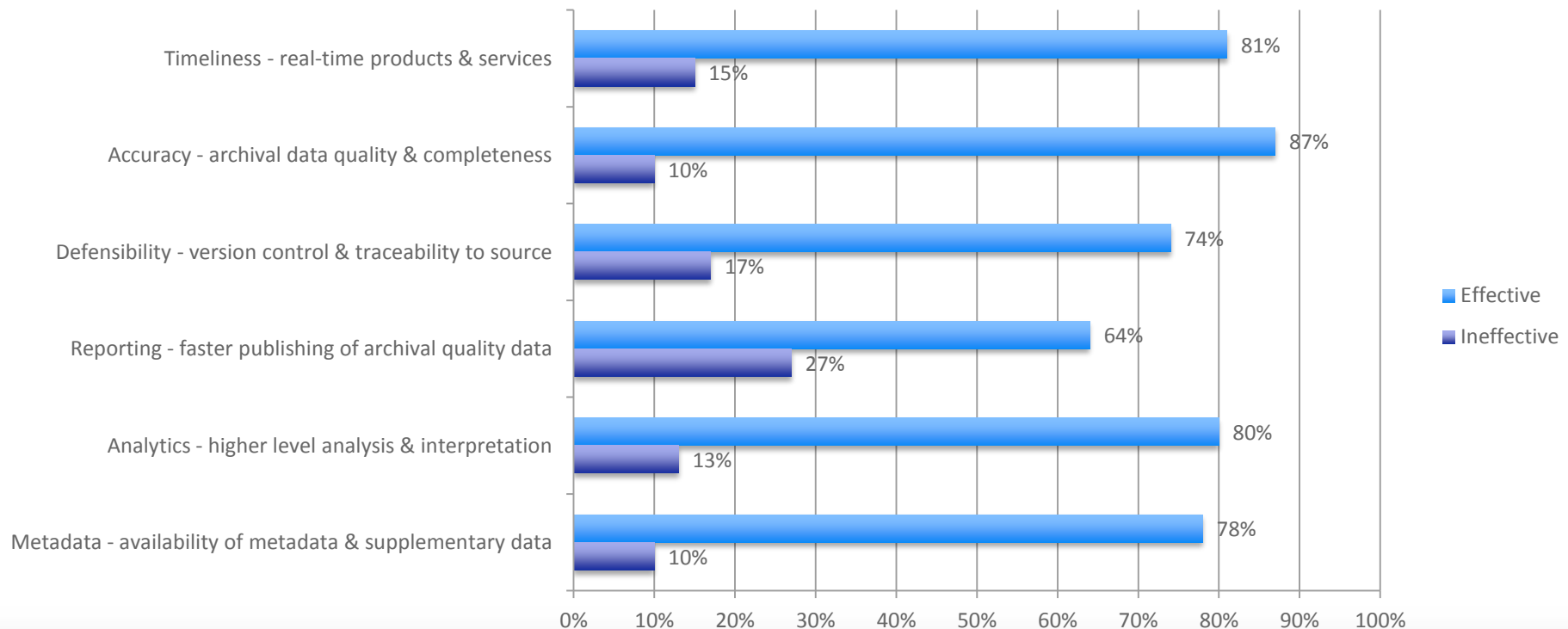


Which data management system do organizations primarily use?



What is the effectiveness of commercial data management software in helping meet the expectations of today's data consumers?

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Next Steps for US Environmental Monitoring Agencies:

1. TBD

Read the full report!



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