QIBA Sustainability Implementation Group (SIG) Update

QIBA Annual Meeting
Wednesday, June 12, 2019

QIBA Sustainability Task Force Results – May 2018

- **Short-term**
  - Grants
  - Foundation
  - Philanthropy

- **Medium-term**
  - Pay for use of QIDW data

- **Long-term (accreditation / certification)**
  - Site, Data, Analysis Certification
    - Image Data Certification – QIBA “Stamp”
    - Site Qualification – QIBA “Stamp”
  - CRO Qualification
**Why Form a Sustainability Implementation Group?**

- Sustainability Task Force results needed implementation
- Small, focused working group to drive business side of QIBA
- SIG started in September 2018
- SIG members:
  Annette Schmidt, Anne Smith, Dan Sullivan, Ed Jackson, Alex Guimaraes, Rich Wahl, Gudrun Zahlmann

---

**QIBA Sustainability Implementation**

### May 2018

- **Short-term**
  - Grants
  - Foundation
  - Philanthropy

- **Medium-term**
  - Pay for use of QIDW data

- **Long-term (accreditation / certification)**
  - Site, Data, Analysis Certification
    - Image Data Certification – QIBA Stamp
    - Site Qualification – QIBA Stamp
  - CRO Qualification

### June 2019

- **Short-term**
  - Grants: ongoing activity QIBA leadership
  - Letter to Pharma: accepted by QIBA SC + RSNA; distribution list in review; to be out end of June 2019
  - Philanthropy: additional models under discussion

- **Short to Medium-term**
  - Business concept:
    - Pay for use of QIDW data
    - Pay for QIBA conformance attestation / certification of all relevant actors as described in QIBA profile conformance tables
      - Site conformance
      - CRO/imaging corelab conformance
      - Vendor (HW, SW) conformance
  - Concept confirmed by QIBA SC and RSNA Board
  - Business plan v0.1 available
SIG – Current / Next Activities
Pharma Request – Example Groundwork Projects

• Work with QIBA leadership and RSNA staff to distribute letter to pharma
• Business Plan
  • 3 selected QIBs (SUV, ADC, CT vol advanced disease) as ‘pilots’ to:
    • Translate profile conformance tables into procedures / manuals for all relevant actors
    • Define test report content
    • Define who from QIBA would be responsible for data assessment and decisions on QIBA conformance
    • Test usability of process for self-attestation and certification as described in Business Plan
  • Target Timeline: First round ready by end of 2019
  • Adjust business plan
  • Prepare for first conformance testing with selected companies
  • Continue collaboration with Accumetra on site certification
• Marketing
  • Update QIBA web presence on respective activities (update conformance testing, brochure, online information, etc.)
QIBA Profile Conformance Testing

Example DWI (DWI ADC Profile)

Certification Model Pilot:
- Profile has sufficient status
- Conformance table available for different actors
- There is already pre-work by UMichigan in form of:
  - Site manuals
  - Scanning instructions for phantoms and patients for different organs of interest
  - Communication pathway re: how sites submit images plus metadata to UMichigan
  - Analysis process and tools are available
  - Report content (what to communicate back to a site) is available
- A dedicated phantom is available and can be purchased
- Dedicated and motivated personnel are available for first testing/certification steps

Result of first discussion: Tom Chenevert, Michael Boss, Gudrun Zahlmann
Additional Pilots

• Self-attestation model: FDG PET SUV Profile
• Certification model: CT Volumetry for Advanced Disease
• Accumetra Small Lung Nodule Profile (ongoing)