

ADD Regulatory: Elevator Pitch

ADD Regulatory Platform uses state of art technologies like Artificial Intelligence, mobility, and blockchain to automate the regulatory processes, search & analysis of large set of regulatory data, and create regulatory documents, to enable faster & in compliance drug registration.

The Platform uses smart search engine combined with intelligence hub that improves compliance, operational efficiency and enables taking informed strategic decisions.

ADD Regulatory: Industry Challenges & TCS Offers

Industry Challenges

Siloed & old-fashioned RIM solutions*

- Traditional RIM systems maintain data in silo with low adoption of new technology
- Limited use of previous data and learnings
- Manual regulatory document writing, limited reuse of data/templates

ADD Regulatory

- Unique Plug and Play model to address gaps in traditional RIM* system and adoption of AI/Cognitive and Automation tools
- Smart search engine combined with intelligence hub that interprets user query and draft responses
- Automation document writing and re-use of data from previous documents

Fragmented & inefficient regulatory processes

- Several actions on email and paper, limited automation
- Inefficient oversight and tracking of regional requirements and procedural differences
- Inefficient mechanism to identify local or regional label discrepancies

- Workflow framework coupled with alerts and notifications
- Leveraging intelligent automation in regulatory operations
 - Enabling automation like redaction, data anonymization etc.
 - Enabling automation in document reviews, formatting etc.
- AI enabled automation to identify discrepancies between local and central labels

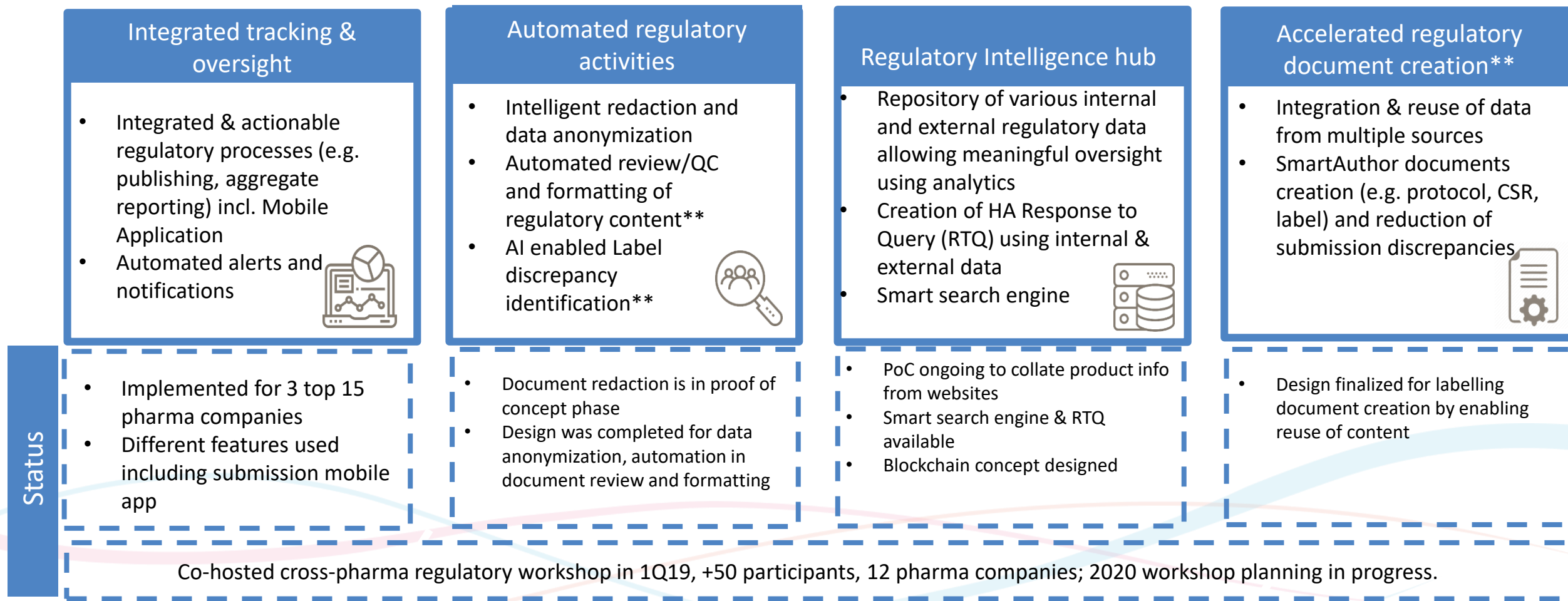
Inefficient interpretation and data complexity

- Inability to interpret & connect external big data sets (e.g. product approvals, guidelines)
- Inability to draw meaningful outcome from internal data and minimal reuse of historical HA responses ~~data~~

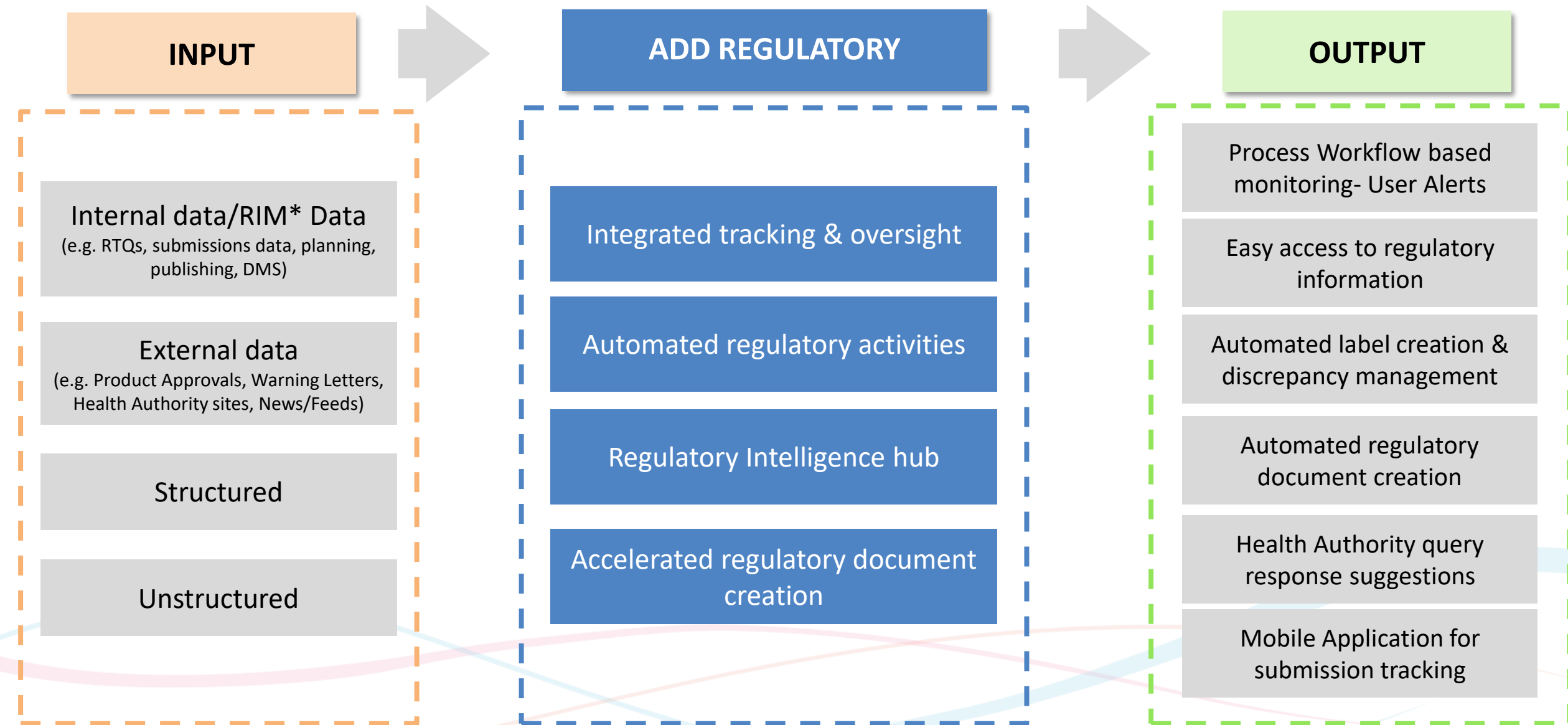
- Use AI and analytics to enable collection and interpretation of big data sets and increase regulatory intelligence
- Leveraging cognitive technologies for Health Authority Query's, enabling quality reference search right first time extending re use of data and reducing overall response lead time.

ADD Regulatory: Summary

**RE-INVENT REGULATORY ACTIVITIES TO IMPROVE COMPLIANCE, REPORTING AND OPERATIONAL EFFICIENCY
AND TO ENABLE INFORMED STRATEGIC DECISIONS AS AN EXTENSION TO YOUR RIM* BOUNDARY**



ADD Regulatory: Schematic Overview



*RIM - Regulatory Information Management

ADD Regulatory: Value Statement and Stakeholder Impact

ADD REGULATORY SUPPORTS PHARMA COMPANIES TO EXPEDITE THE PRODUCT REGISTRATION PROCESS AND HELPS PATIENTS TO HAVE FASTER ACCESS TO BETTER AND SAFER MEDICINES AND TREATMENTS

Increased efficiencies & reduced workload	<ul style="list-style-type: none"> • Increased Process efficiency in Regulatory by enabling better monitoring, alerts and notification • Up to 50% reduction of submission management activities. • Increased control over regulatory processes through real-time monitoring and reports.
Improved data quality and oversight	<ul style="list-style-type: none"> • Ability to find information that is spread across websites/health agencies leveraging technology. • Increased strategic decision towards market and type of studies through broad historical data insight (e.g. reason for rejection)
Increased user Engagements	<ul style="list-style-type: none"> • Easy to Access and understand information using Mobile Apps. • Easy to interpret dashboards
Faster drug registration process	<ul style="list-style-type: none"> • Up to 20% reduction in regulatory filing timelines due to automation and optimization in authoring

ADD Regulatory: Customer Use Case of Top-10 Pharma Company

Purpose/Objective

- Reduce time-consuming regulatory activities such as
 - monthly reporting /effort (75 programs)
 - program management efforts to coordinate cross functional activities & overviews/trends identification
 - Finding relevant marketing intelligence across various external websites (e.g. HAs)
- Increase reporting of KPI/metrics (currently monthly basis) and improve oversight

Outcome

- **40% reduction in monthly reporting efforts** through roll out of mobile App and portal
- **50% reduction in program management** activities by real-time tracking and notifications to users
- **20% time reduction to search info** through regulatory intelligence portal, where questions can be asked in plain English and relevant HA sites as output
- **Flexible real-time KPI/metric dashboard and reports**

ADD Regulatory: Vision & Roadmap

OUR VISION IS TO ENHANCE COMPLIANCE WITHIN THE REGULATORY ENVIRONMENT AND INCREASE OPERATIONAL EFFICIENCY & QUALITY THROUGH AUTOMATIONS

1Q20

2Q20

3Q20

4Q20

Regulatory Intelligence Hub enhanced with:

- Meeting minutes
- Usability capability

Regulatory Activities enhanced with

- Document formatting
- Review automation
- Data de-identification

Regulatory Intelligence Hub enhanced with

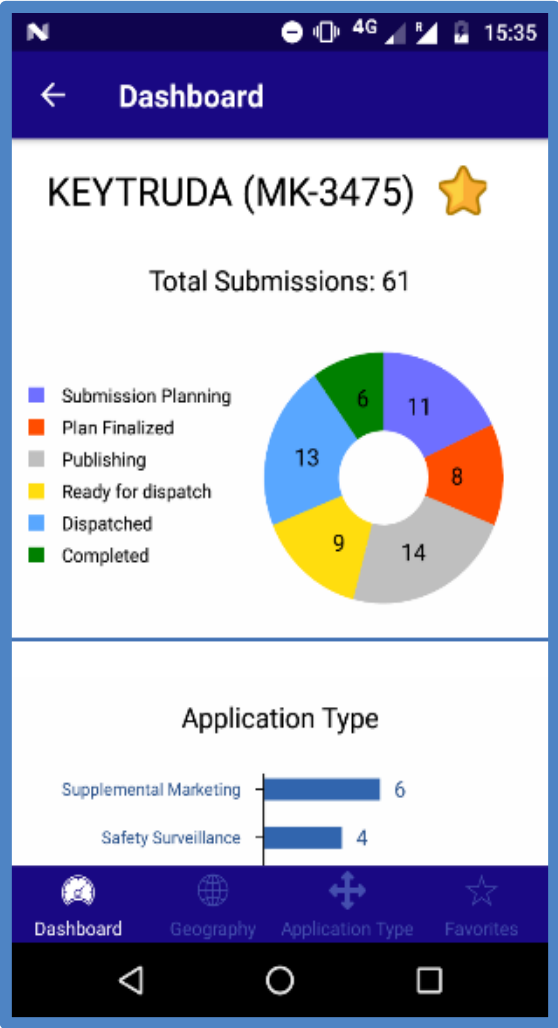
- Ingest more information
- System re-training

Future plans:

- AI for Label discrepancies identification
- Blockchain for RTQ
- Regulatory Document creation (smart author) for labels
- Trace-ability of data across document in product life-cycle

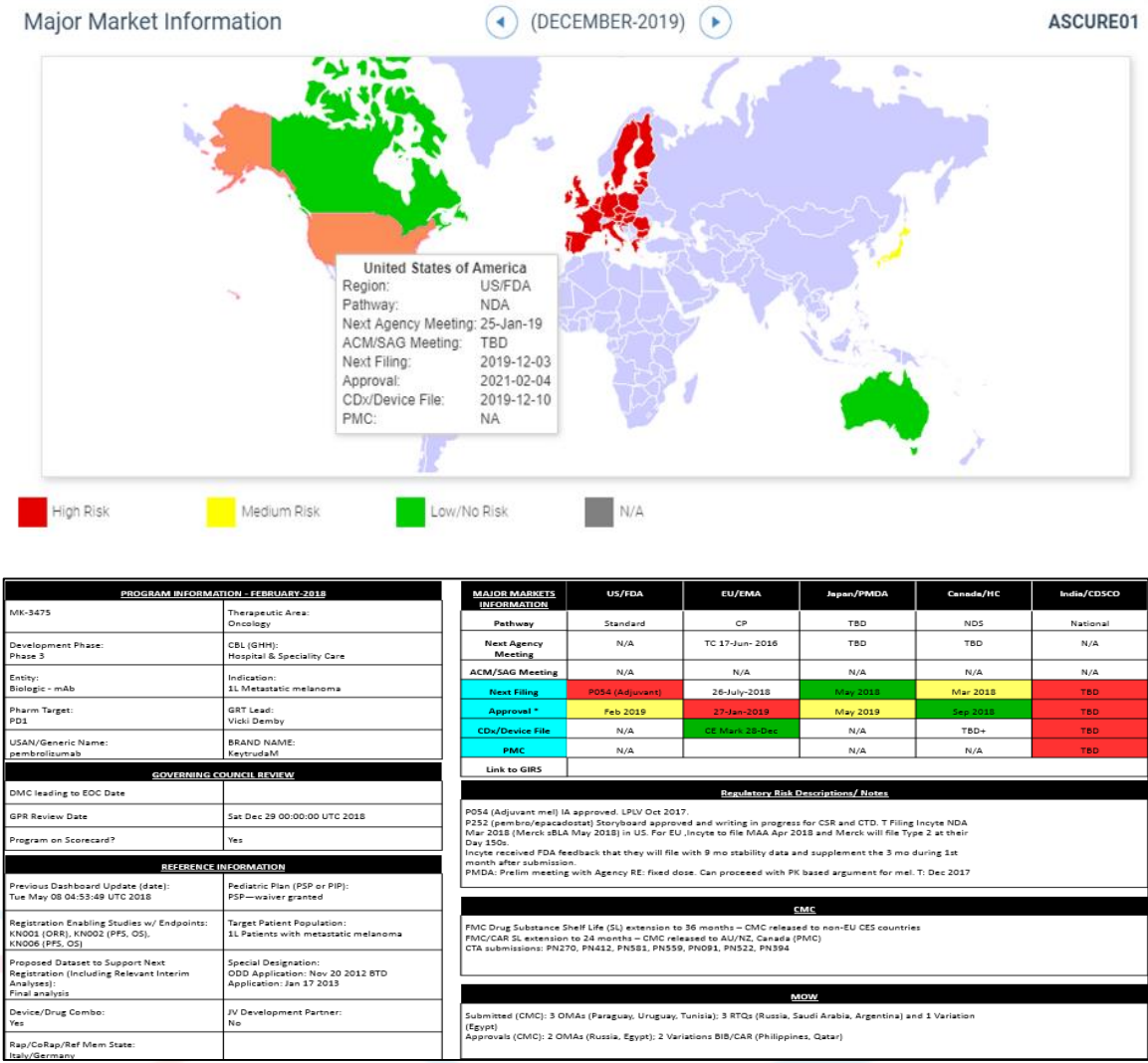
ADD Regulatory: Visuals

Submission Tracking oversight



Submission Tracker-Mobile View

Regulatory Reporting oversight



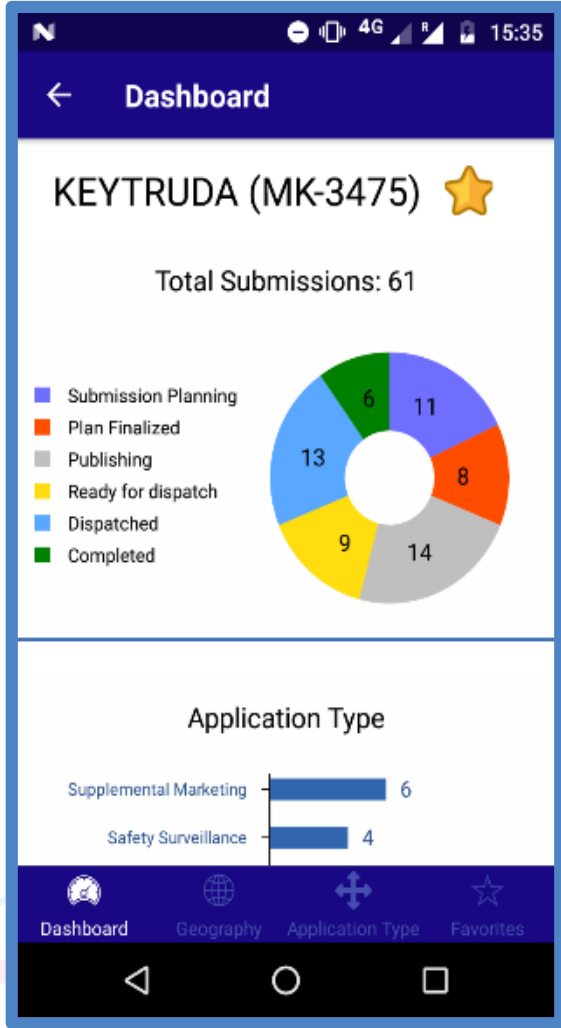
Regulatory Pipeline-Portal View



Mobile View

ADD Regulatory: Visuals

Submission Tracking oversight



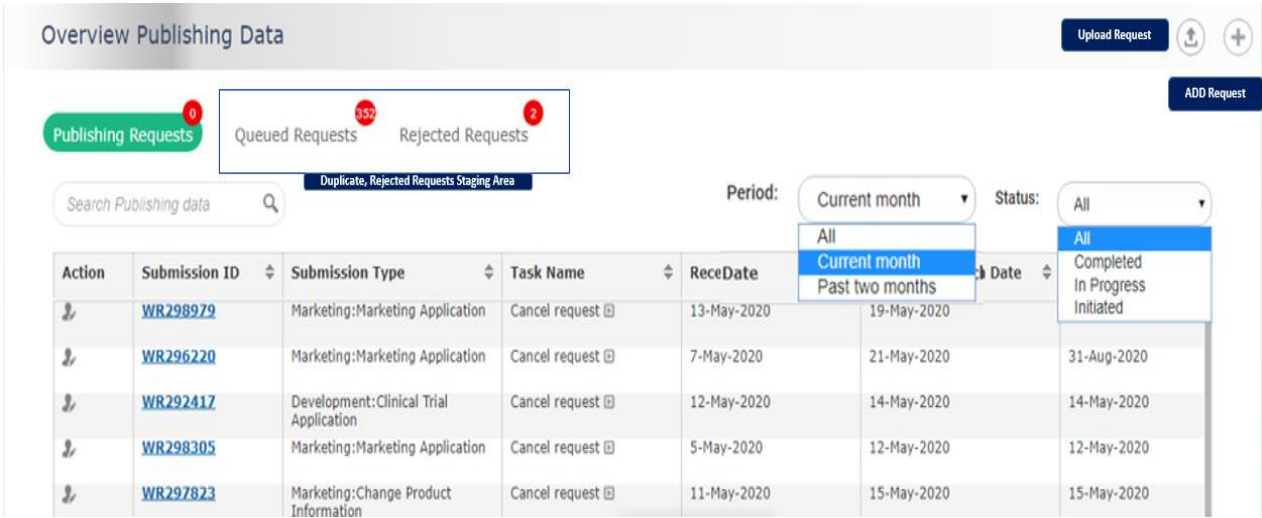
Submission Tracker-Mobile View

Regulatory Reporting oversight



Regulatory Pipeline-Portal View

Publishing Request Management



Publishing Request Dashboard

Real Time Quality and KPIs Monitoring Status & Dashboards

