Official Launch of the ARIA Platform
Automatic Risk Assessment for ISCC principle 1

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TC SEA

18 October 2022, Hybrid Meeting
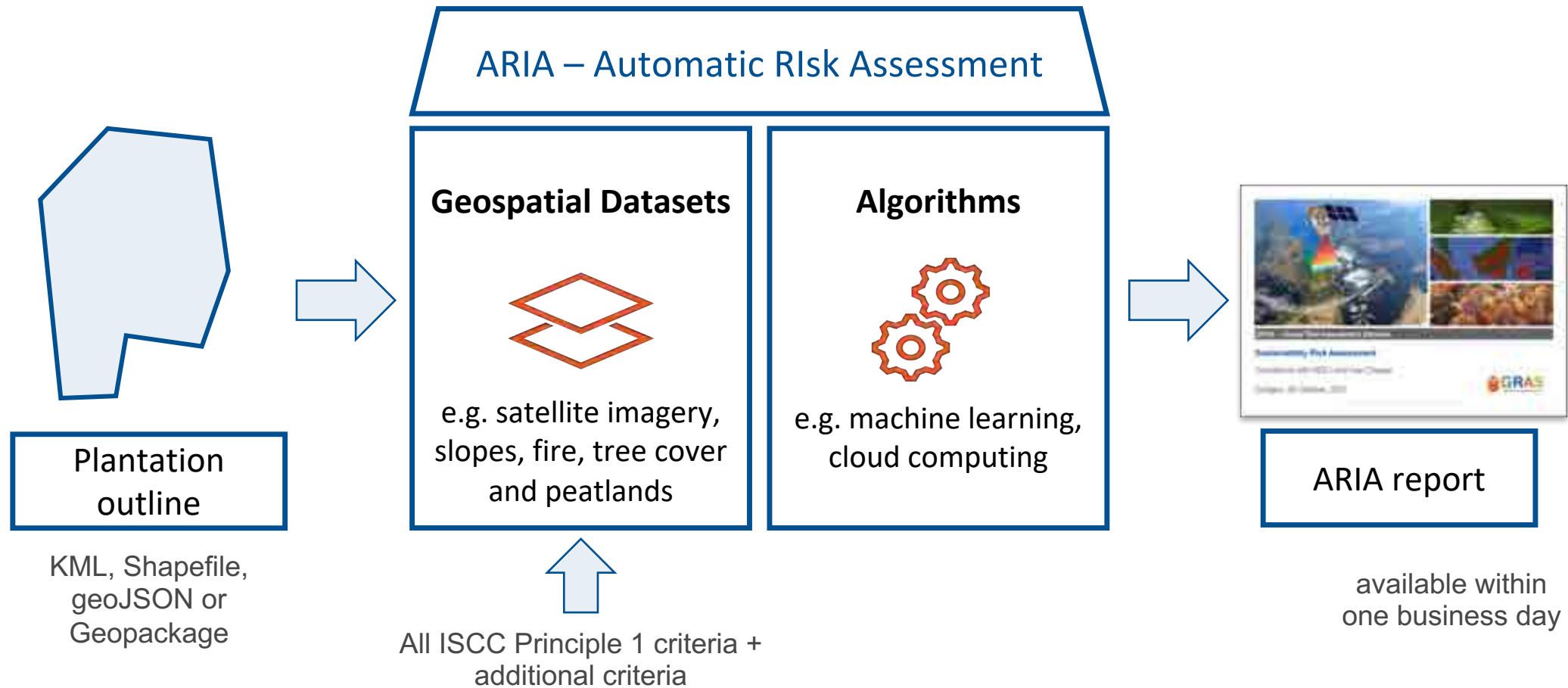
ARIA: **A**utomatic **Ri**sk **A**ssessment Platform

- The ARIA Platform is in compliance with ISCC Principle 1 and in general with EU Renewable Energy Directive (RED) and available for palm plantations in Indonesia and Malaysia

- The platform can generate fully automated, comprehensive risk reports at the plantation level within the one-business day

- ARIA also include other datasets that supports ISCC users getting to know other environmental risks on their plantations, e.g., fire.

- ARIA is not limited to ISCC, and could also be used for any RED voluntary certification scheme
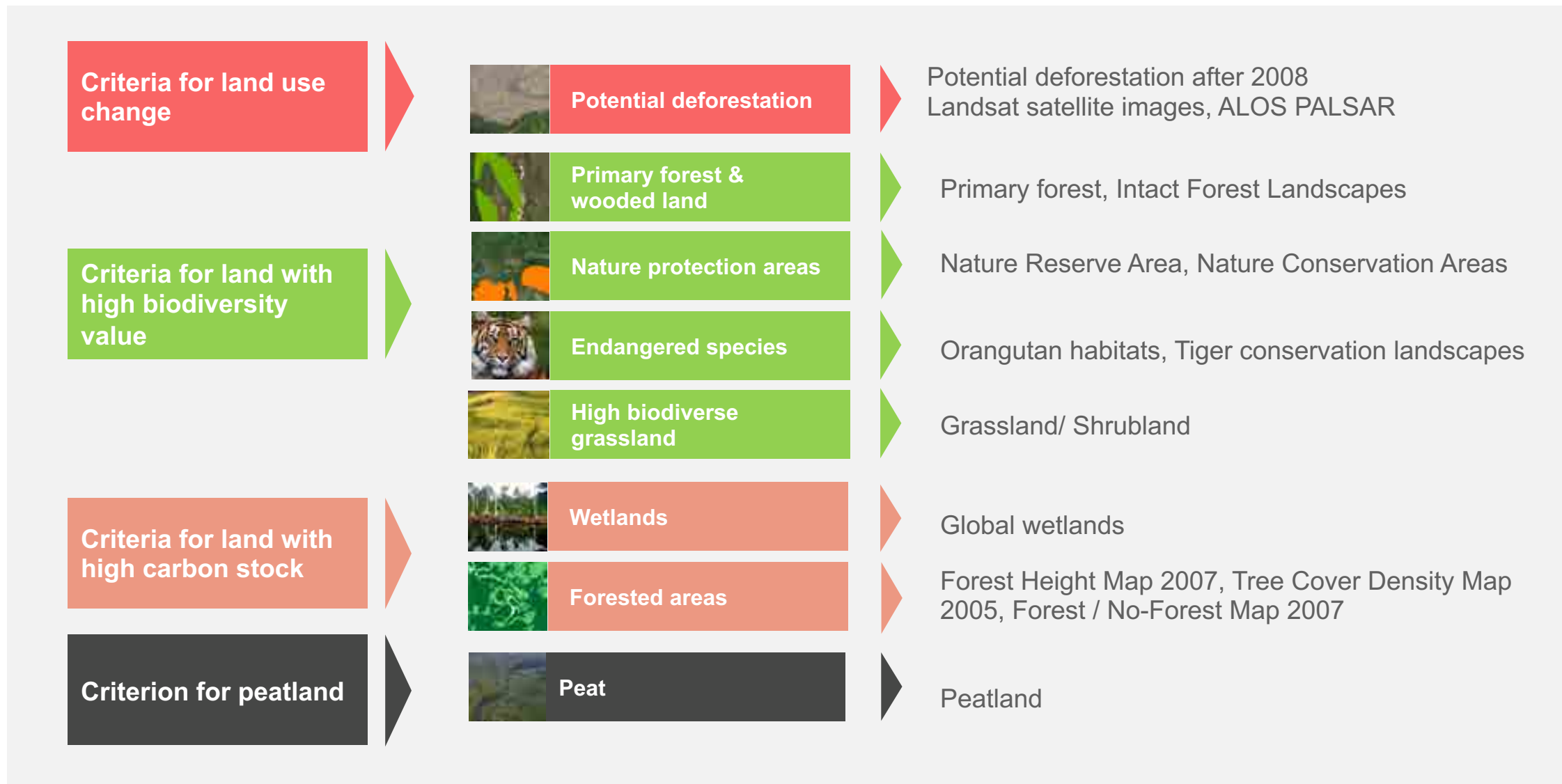
Why ARIA?

- Level playing field among system users and CBs

- Support ISCC system users

- Simplify auditing and reduce auditing costs

- Building block towards including further legislation/due-diligence requirements

ARIA is an integrated system that includes both geospatial data and algorithms for cost-effective report generation

ARIA – Automatic RIsk Assessment

Geospatial Datasets

e.g. satellite imagery, slopes, fire, tree cover and peatlands

Algorithms

e.g. machine learning, cloud computing

Plantation outline

KML, Shapefile, geoJSON or Geopackage

All ISCC Principle 1 criteria + additional criteria

ARIA report

available within one business day

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All four RED/ISCC P1 criteria are included in ARIA

Criteria for land use change ➤ **Potential deforestation** ➤ Potential deforestation after 2008
Landsat satellite images, ALOS PALSAR

Criteria for land with high biodiversity value ➤

Primary forest & wooded land ➤ Primary forest, Intact Forest Landscapes

Nature protection areas ➤ Nature Reserve Area, Nature Conservation Areas

Endangered species ➤ Orangutan habitats, Tiger conservation landscapes

High biodiverse grassland ➤ Grassland/ Shrubland

Criteria for land with high carbon stock ➤

Wetlands ➤ Global wetlands

Forested areas ➤ Forest Height Map 2007, Tree Cover Density Map 2005, Forest / No-Forest Map 2007

Criterion for peatland ➤ **Peat** ➤ Peatland
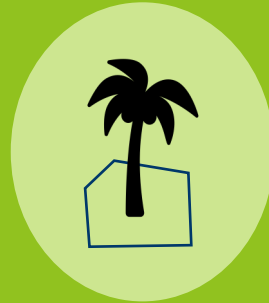
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Automated Risk Assessment of Palm Plantations with a few steps

Step 1:
Create account

Create an account with your email address

Step 2:
Upload plantation outline

Add one or multiple plantations/estates

Step 3:
Select settings

Confirm outlines and execute payment

Step 4:
Receive report

View results within one business day

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ISCC's timeline for the use of ARIA

- Webinar with Stakeholders (25th October 2022, 9:30 am Berlin – 2:30 pm Indonesia – 3:30 pm Malaysia)
- ISCC system users can request free ARIA vouchers for auditing in all three phases

- **Phase 1 Voluntary: 1st November 2022 – 31st January 2023**

  - ARIA online training (1st November 2022)
  - ISCC system users may get vouchers for recertification and initial process
  - Feedback is highly appreciated

- **Phase 2 Transition: 1st February 2023 – 30th April 2023**

  - Auditors are encouraged to attend ARIA training
  - ARIA use is recommended for recertification and initial certification audits

- **Phase 3 Mandatory: starting from 1st May 2023 in Indonesia and Malaysia**

  - ARIA training mandatory to auditors
  - All ISCC system users provide the ARIA report as a part of the auditing process

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ARIA Demo

Thank you very much!

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