

International Photoacoustic Standardisation Consortium (IPASC)

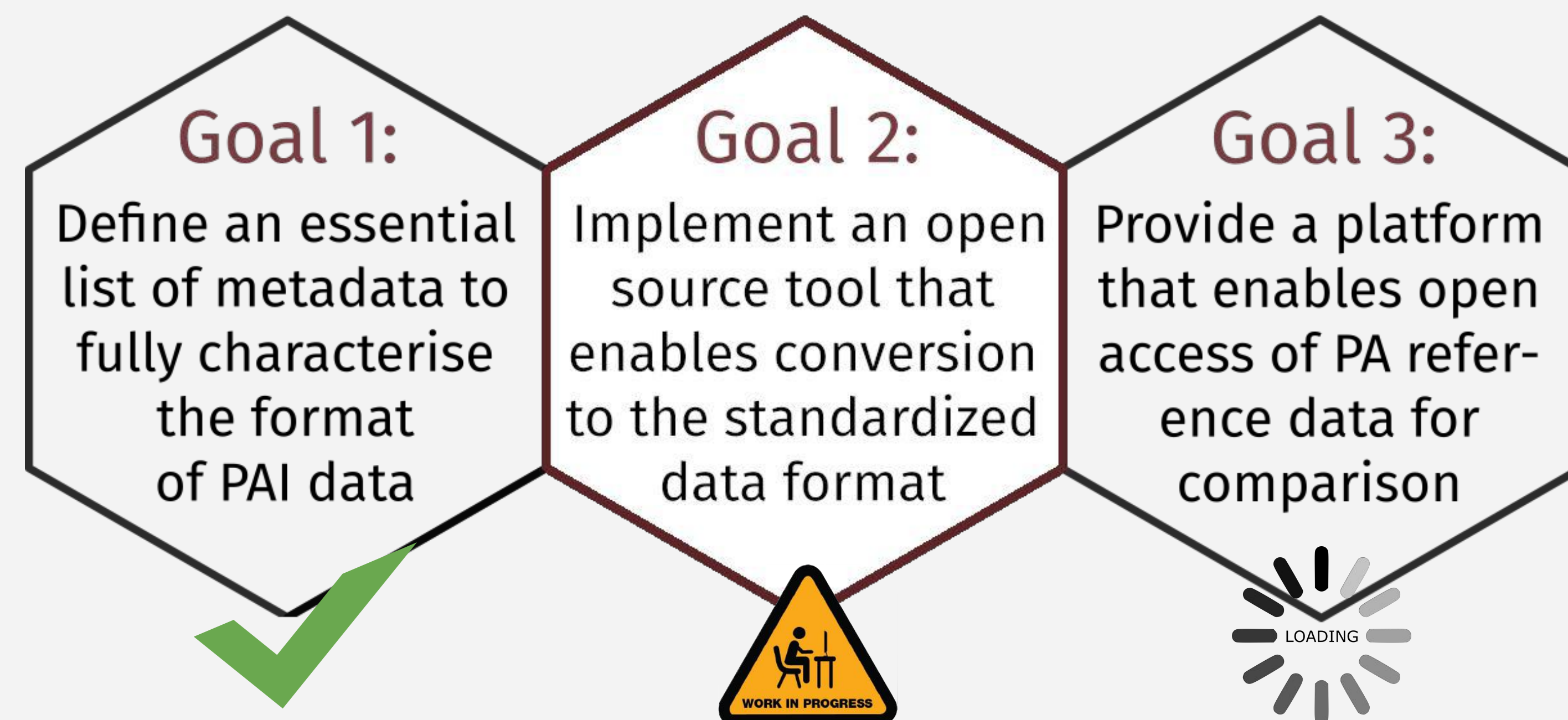
Facilitation of international collaboration by means of a standardised metadata format for photoacoustic images

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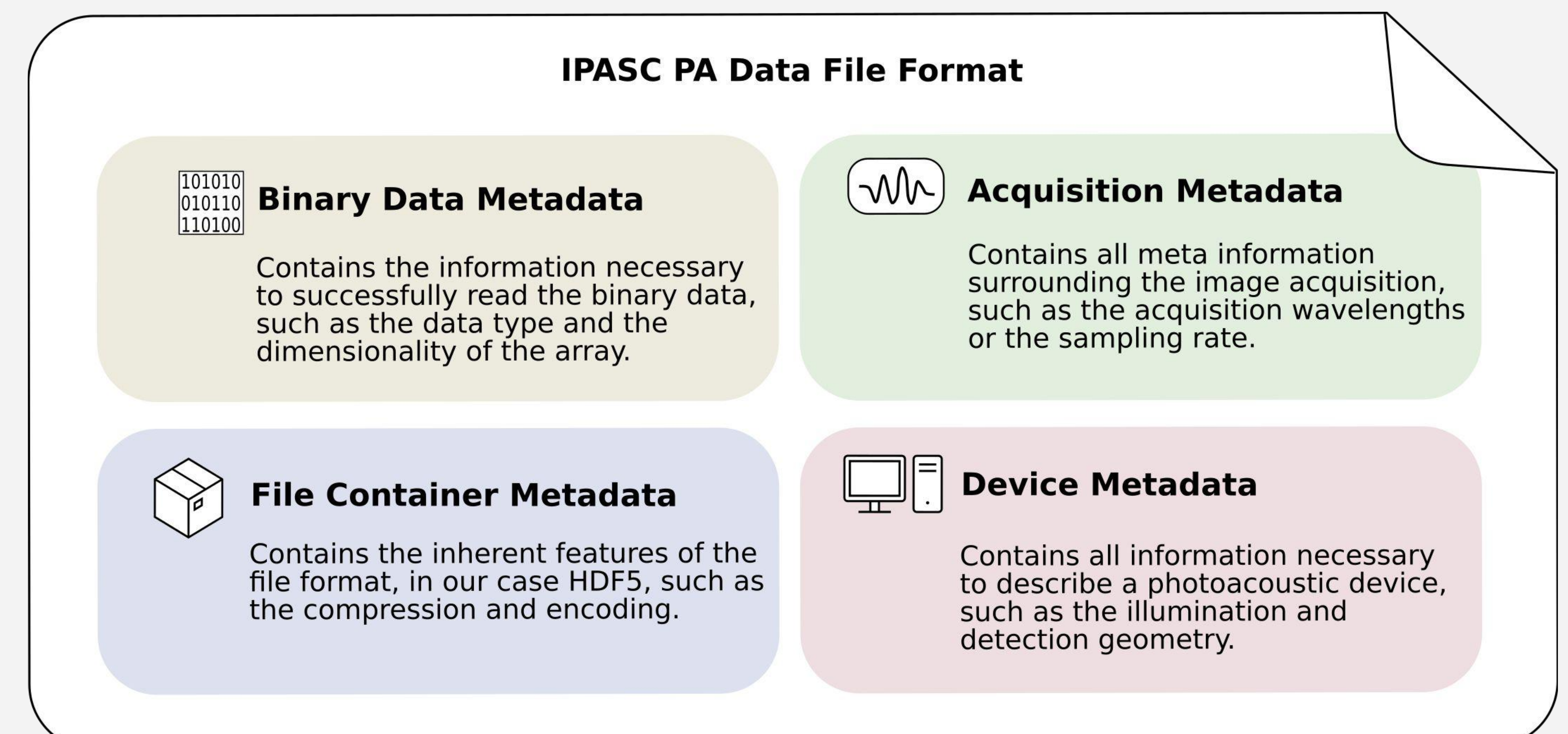
IPASC Data Acquisition and Management



Goal 2: Establishment of an **open source photoacoustic (PAI) data format conversion tool** application programming interface (API) to facilitate exchange and inter-comparison of PAI data between different users.

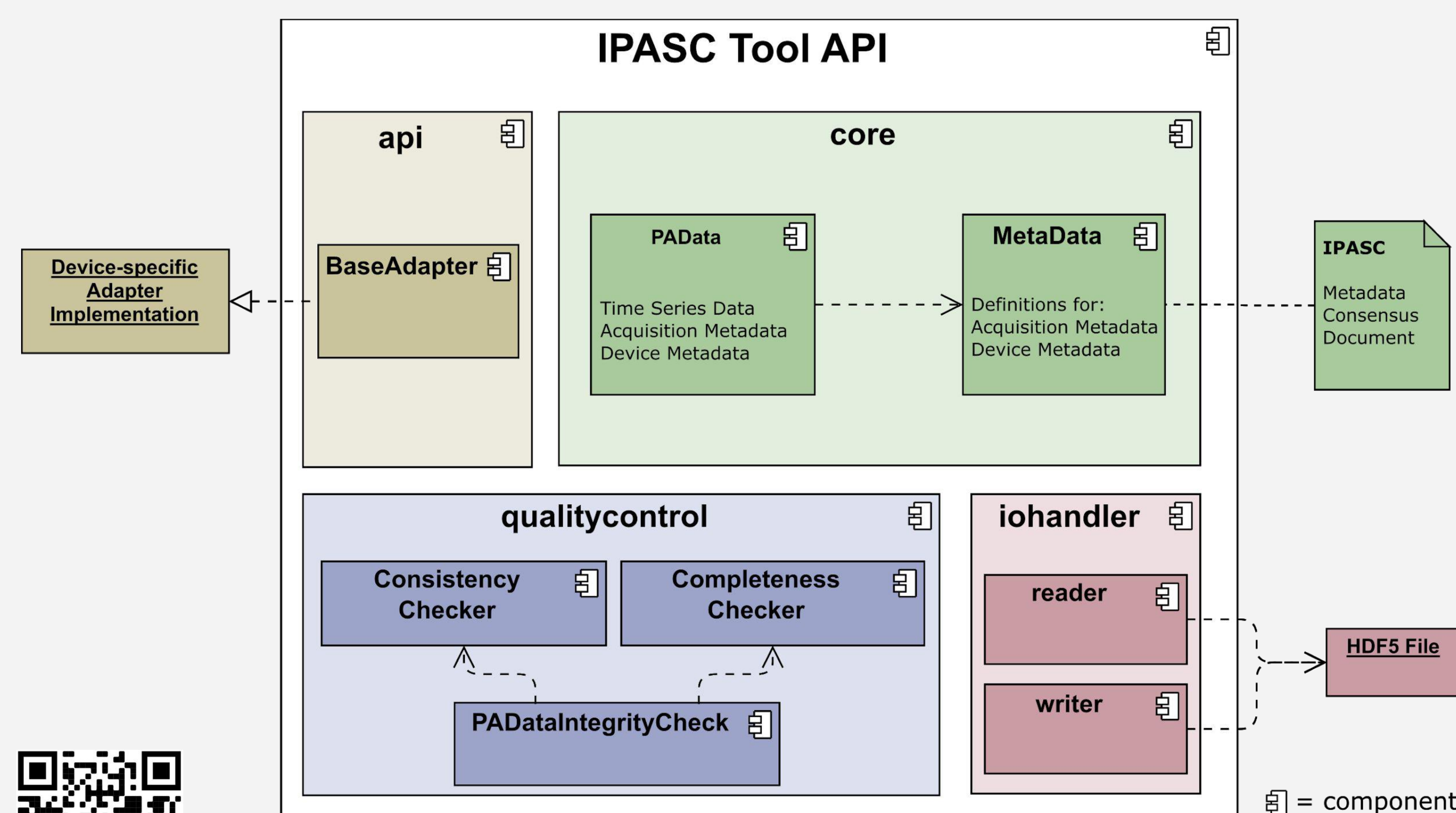
Goal 1: Metadata Consensus Document

IPASC proposed a set of **metadata parameters** that are essential to capture alongside the imaging data. List currently open for feedback:



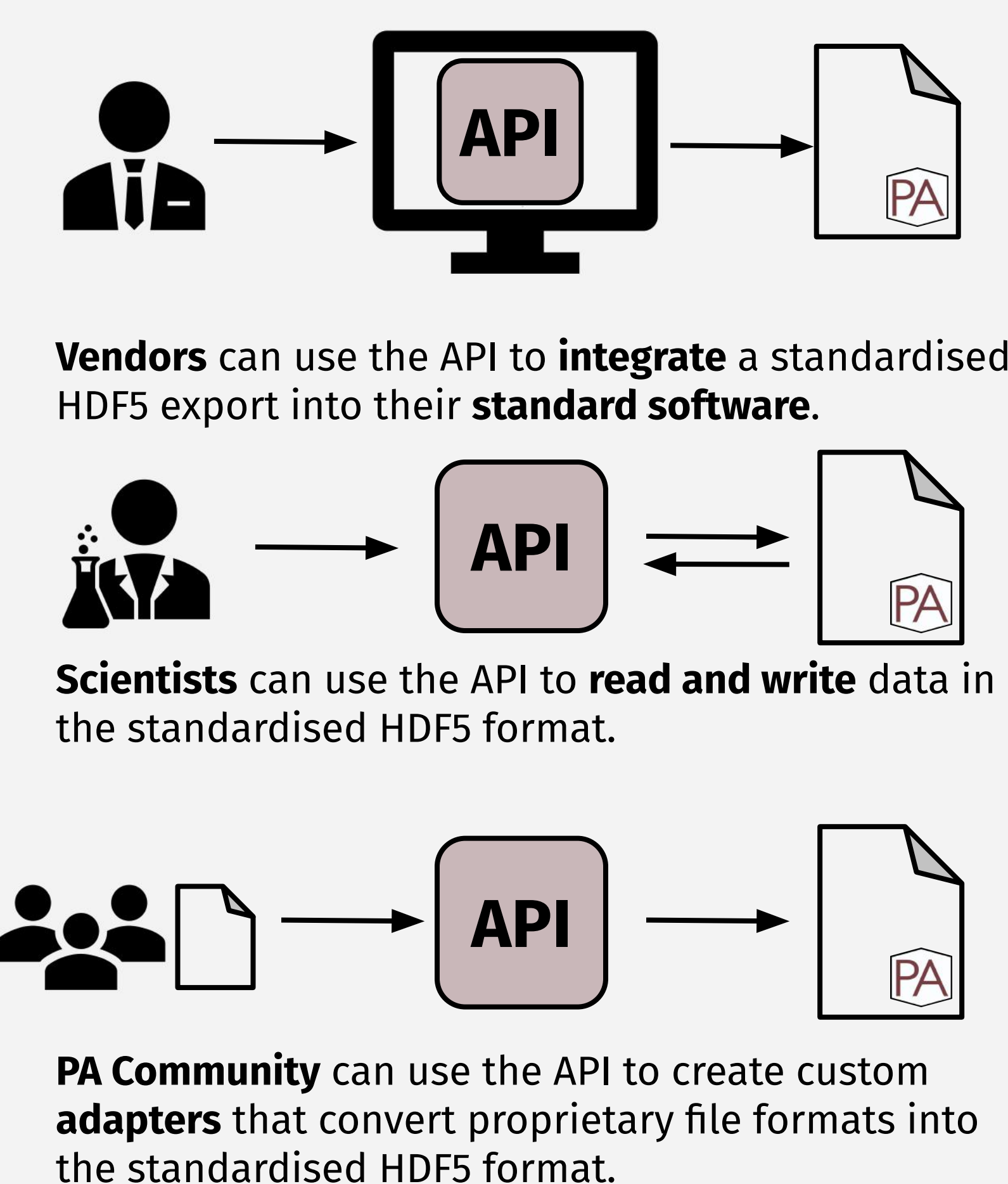
Goal 2: API Prototype

An open source **Python prototype** for the tool is being developed on Github. The software architecture is outlined in the component diagram below.



https://www.github.com/IPASC/IPASC_DataConversionTool

API Workflows:



Next Steps:

- Testing of the tool by the photoacoustic community
- Implementation of more adapters for proprietary formats
- Streamlining into relevant software tools
- Creation of a Graphical User Interface

Want to get involved?

Contact the IPASC team:



IPASC.science website:

<https://www.ipasc.science>

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