



Implementing Interoperability in China



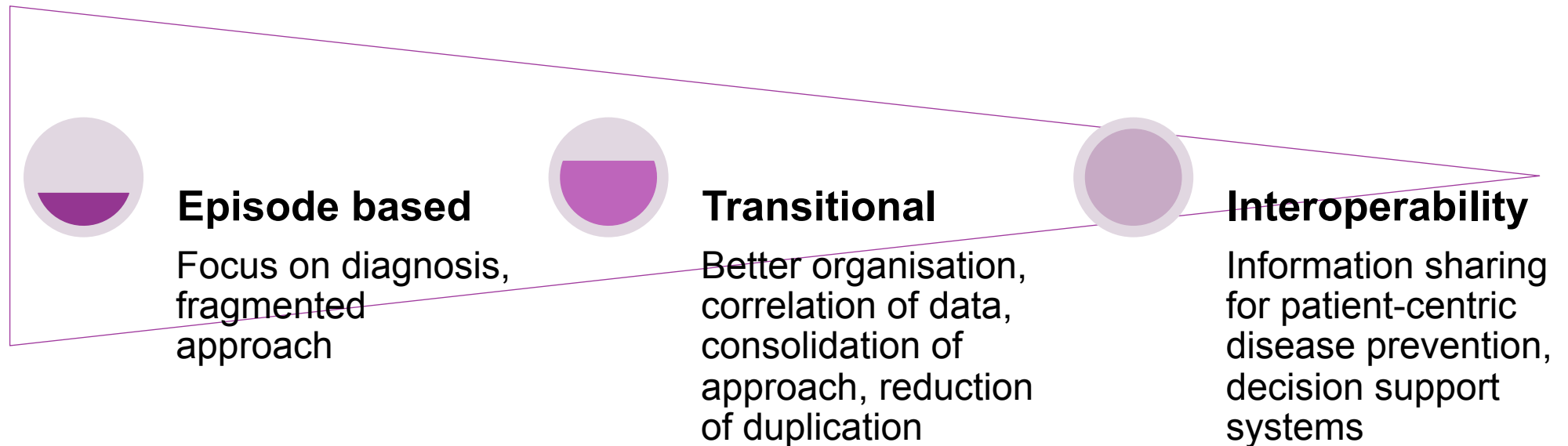
The Daqing Experience

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International Marketing

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Evolution of approach: towards interoperability



Interoperability

Allows exchange of health information within disparate administrative and clinical information systems

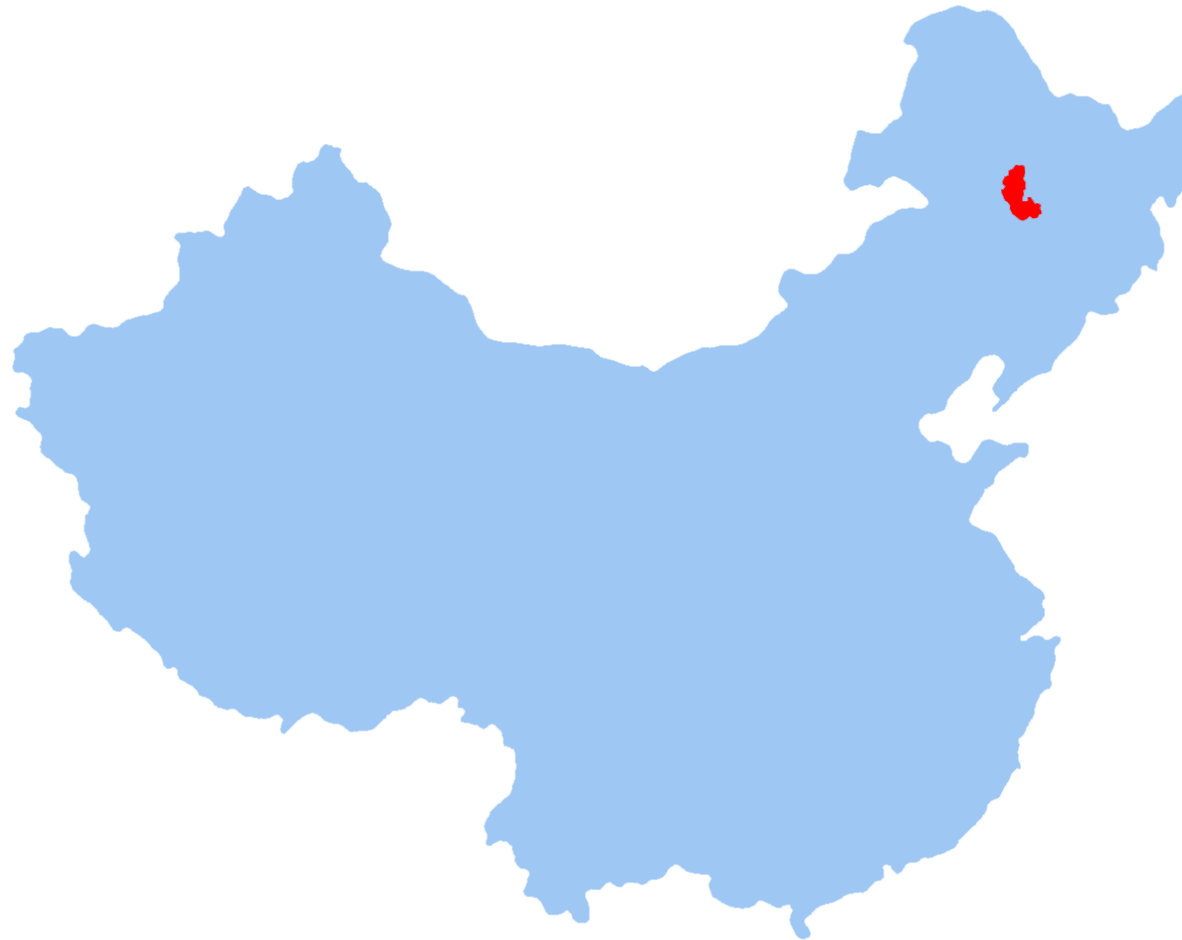
a data generated by one system can be accessed and used by another system, independently of technologies

Covers healthcare, clinical information and workflow

Allows management of policy and security

data privacy, confidentiality, individual and organization identifiers...

China - Daqing



Lima, Peru – 23 February 2015

大庆

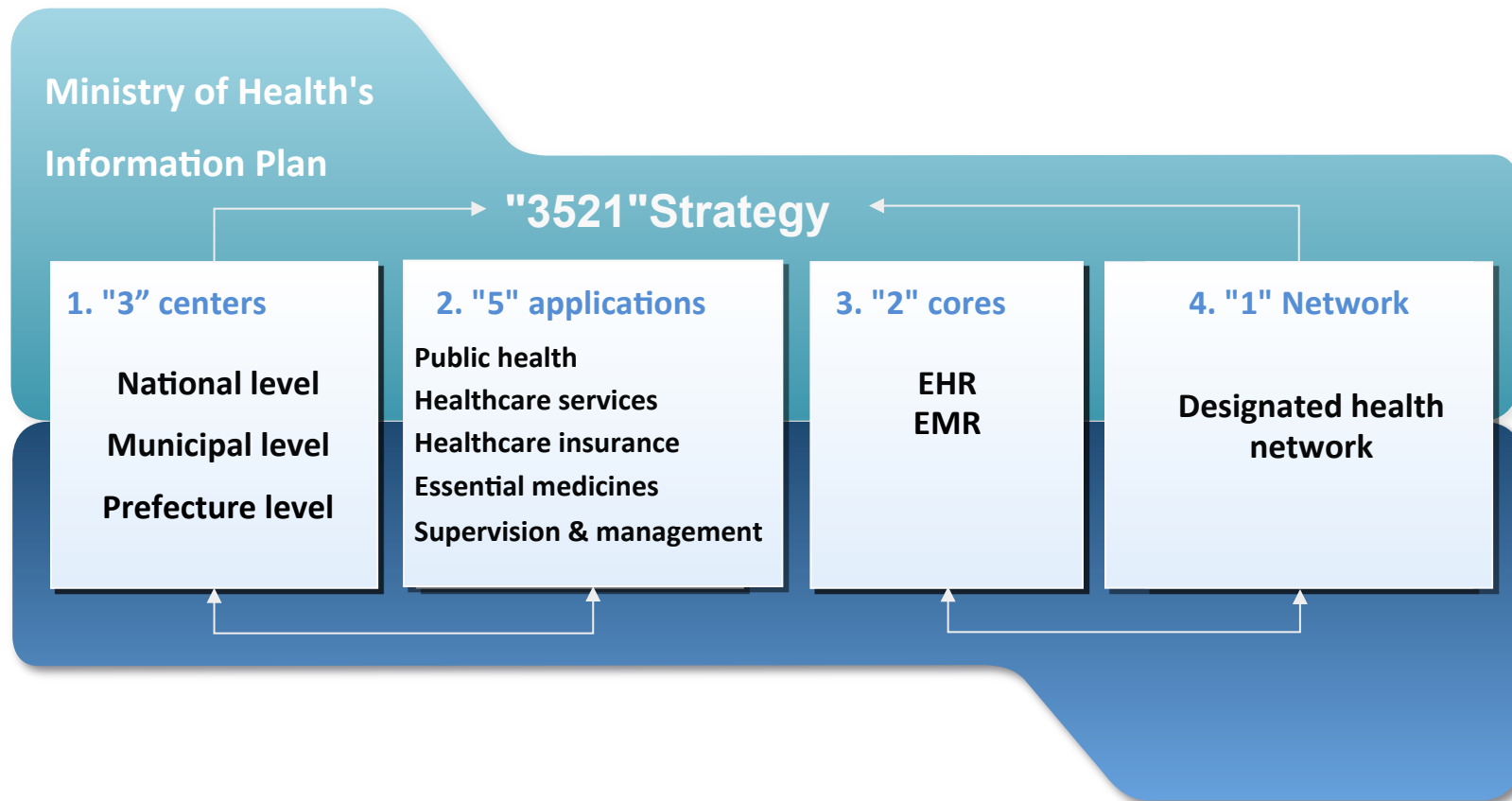
Dedalus
HEALTHCARE SYSTEMS GROUP

Daqing & Oil

Situated between Harbin and Qiqihar in Heilongjiang Province was made a national model in 1964 when Mao Zedong issued the call "In industry, learn from Daqing", 工业学大庆. Daqing was the first major oilfield opened up in China.



China Healthcare Reform – The "3521" Strategy



Daqing Project Figures

The total population of the Municipality of Daqing is 2.9 million.

The number of healthcare institutions is approximately 1300 of which:

8 level-3 hospitals

17 level-2 hospitals

42 community health centers

57 community service stations

67 township hospitals

864 village clinics

Daqing Project at a glance

Target

construction of municipal-level health information platform to strengthen the public health, medical services, new rural cooperative information exchange, and integrated application management

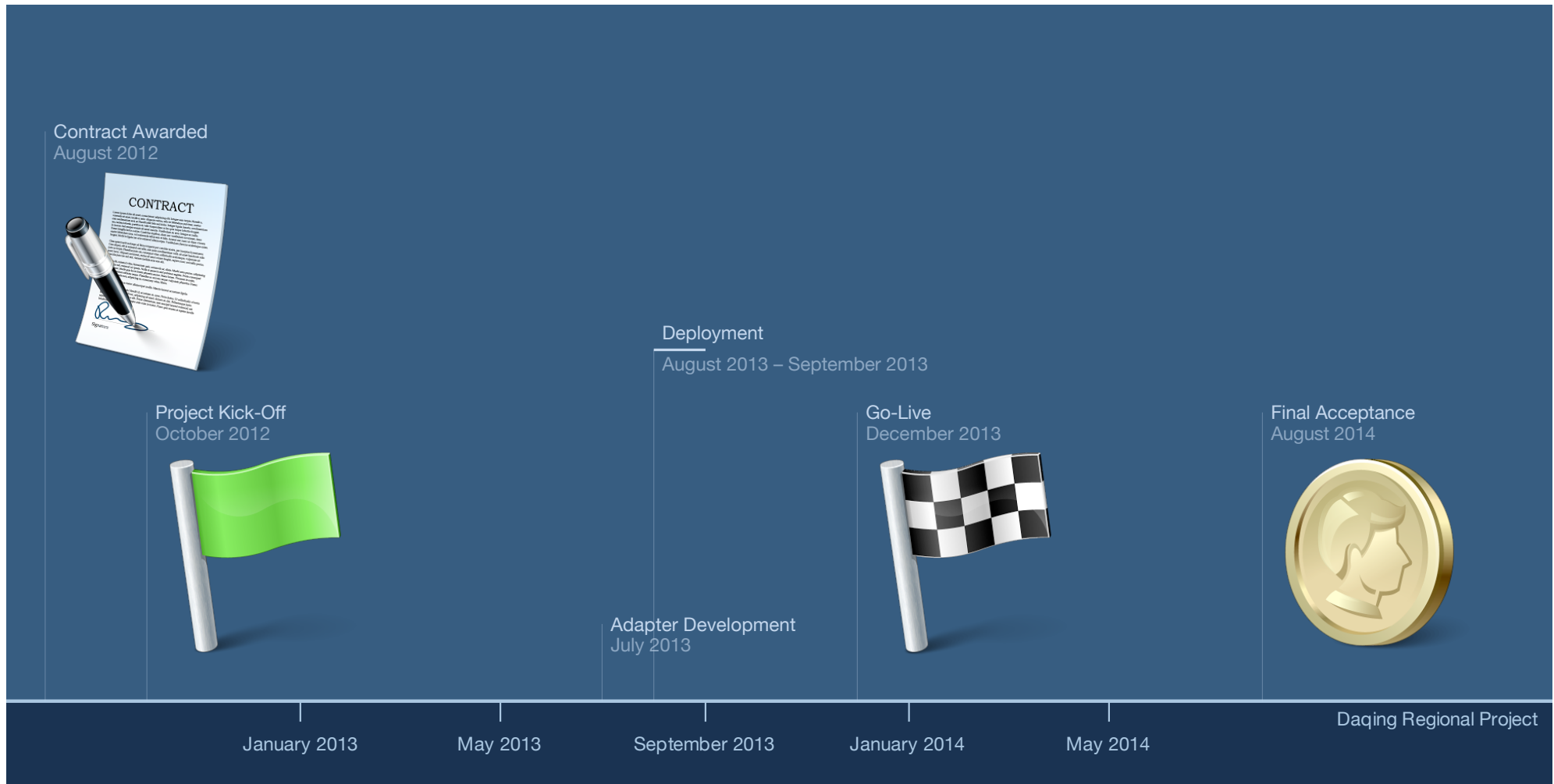
By means of

uniform standards and harmonized technical standards in order to facilitate interoperability between each part of the city's medical and health information system

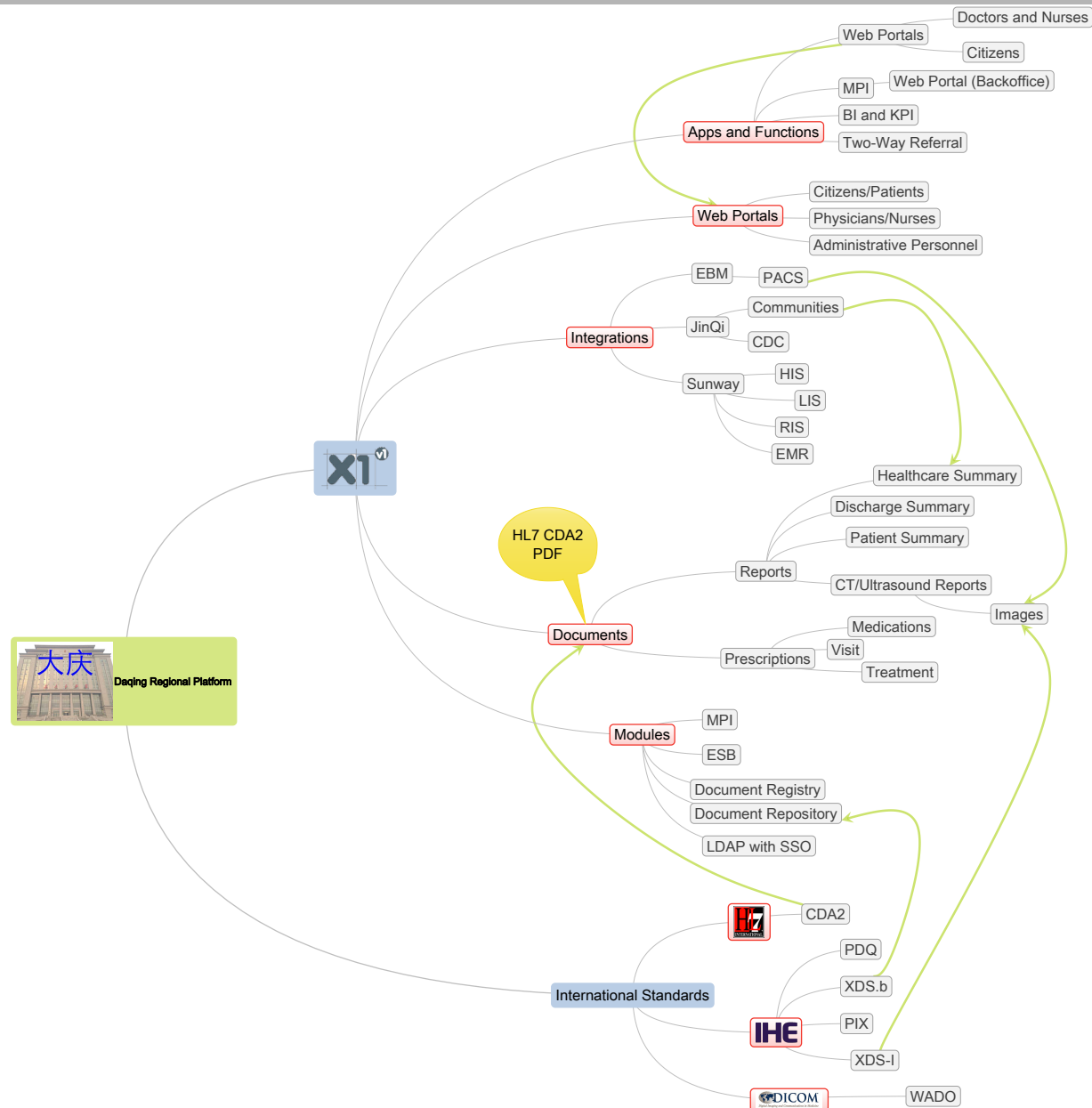
In order to

- provide timely, accurate and comprehensive information to the Daqing municipal, district, and governmental authorities
- provide digital health services to the citizens of Daqing by realizing the interoperability among various healthcare institutions through the X1.V1 Daqing Regional Health Information Platform

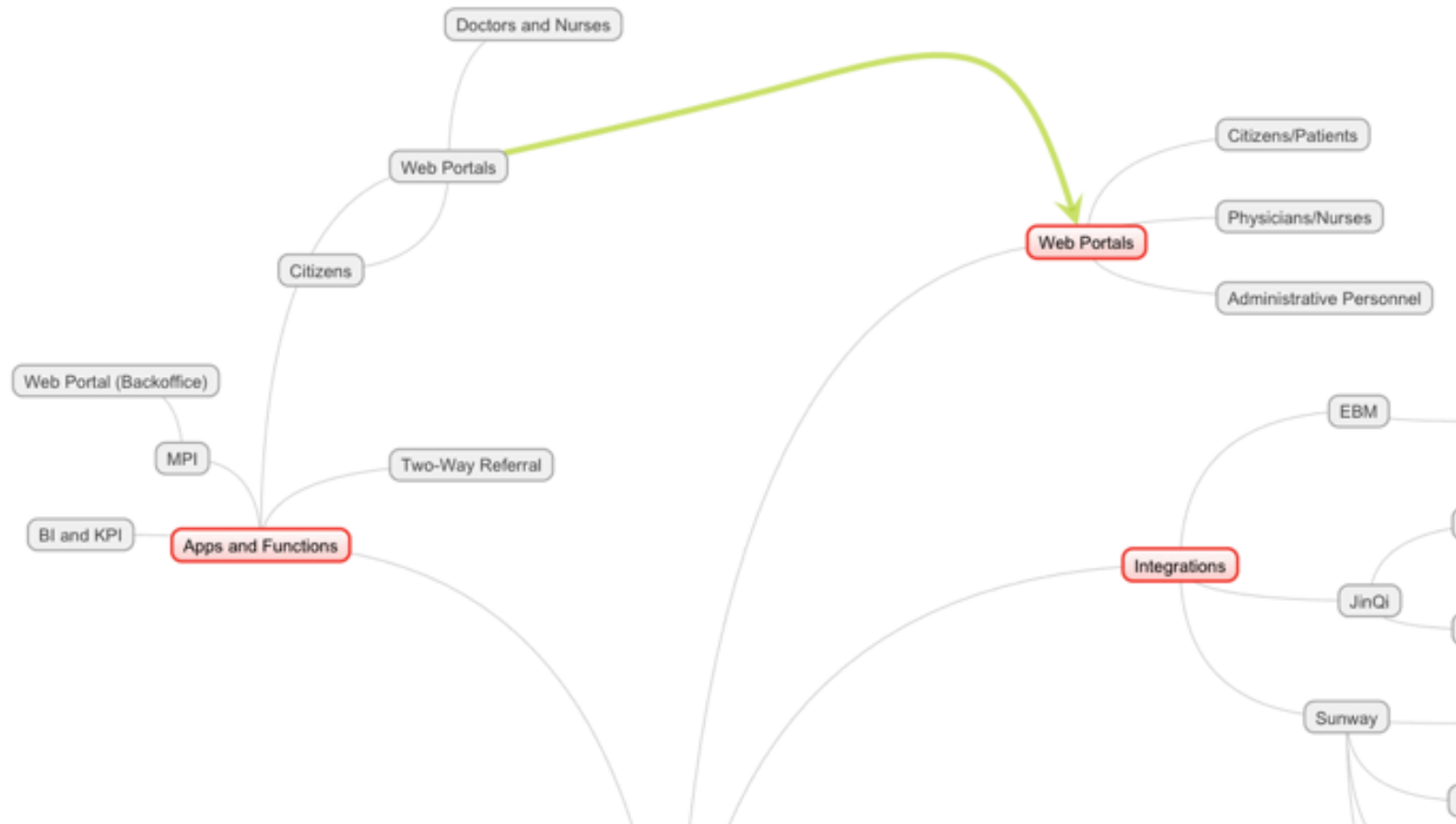
Daqing - Timeline



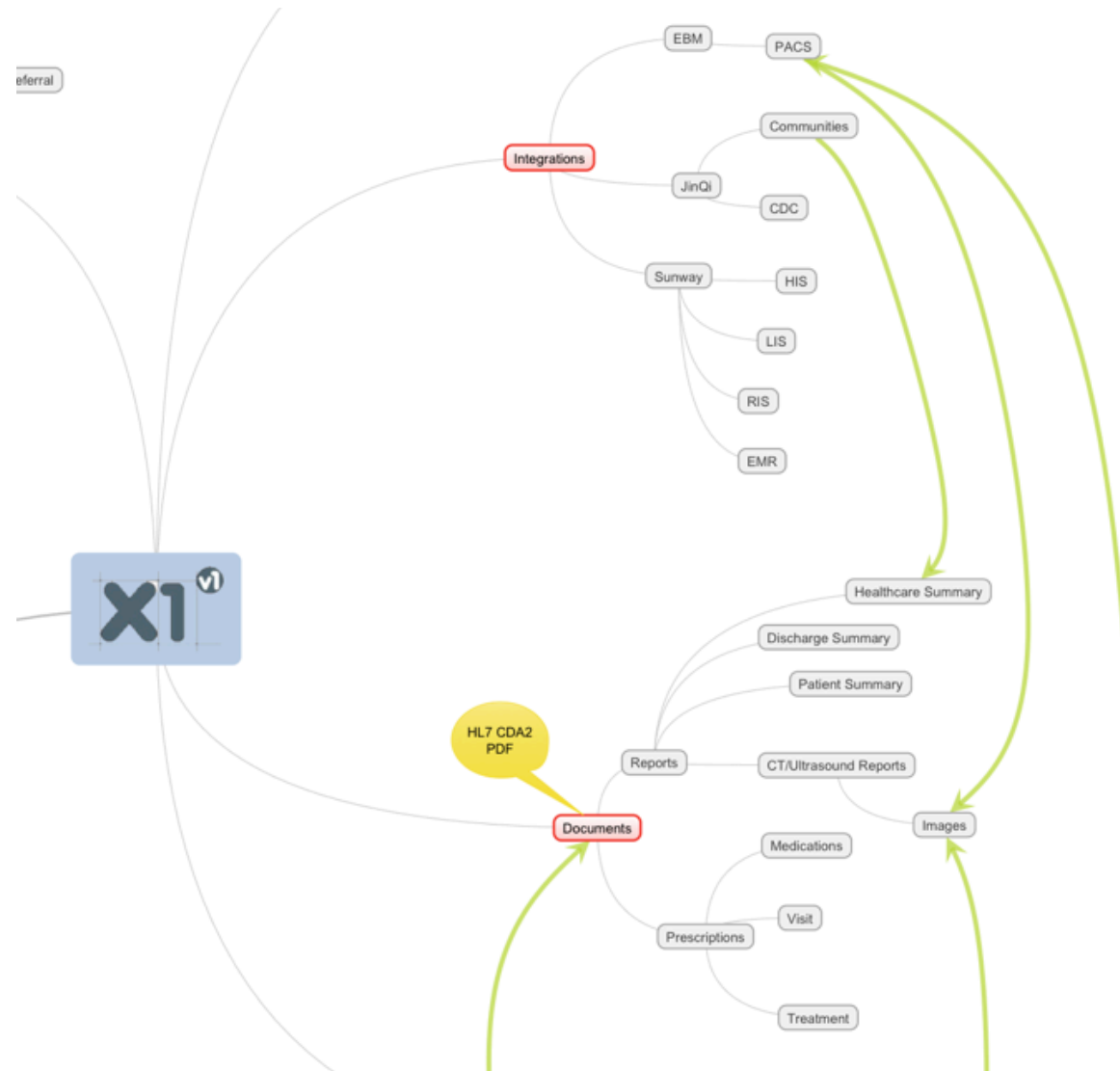
Daqing Components Overview



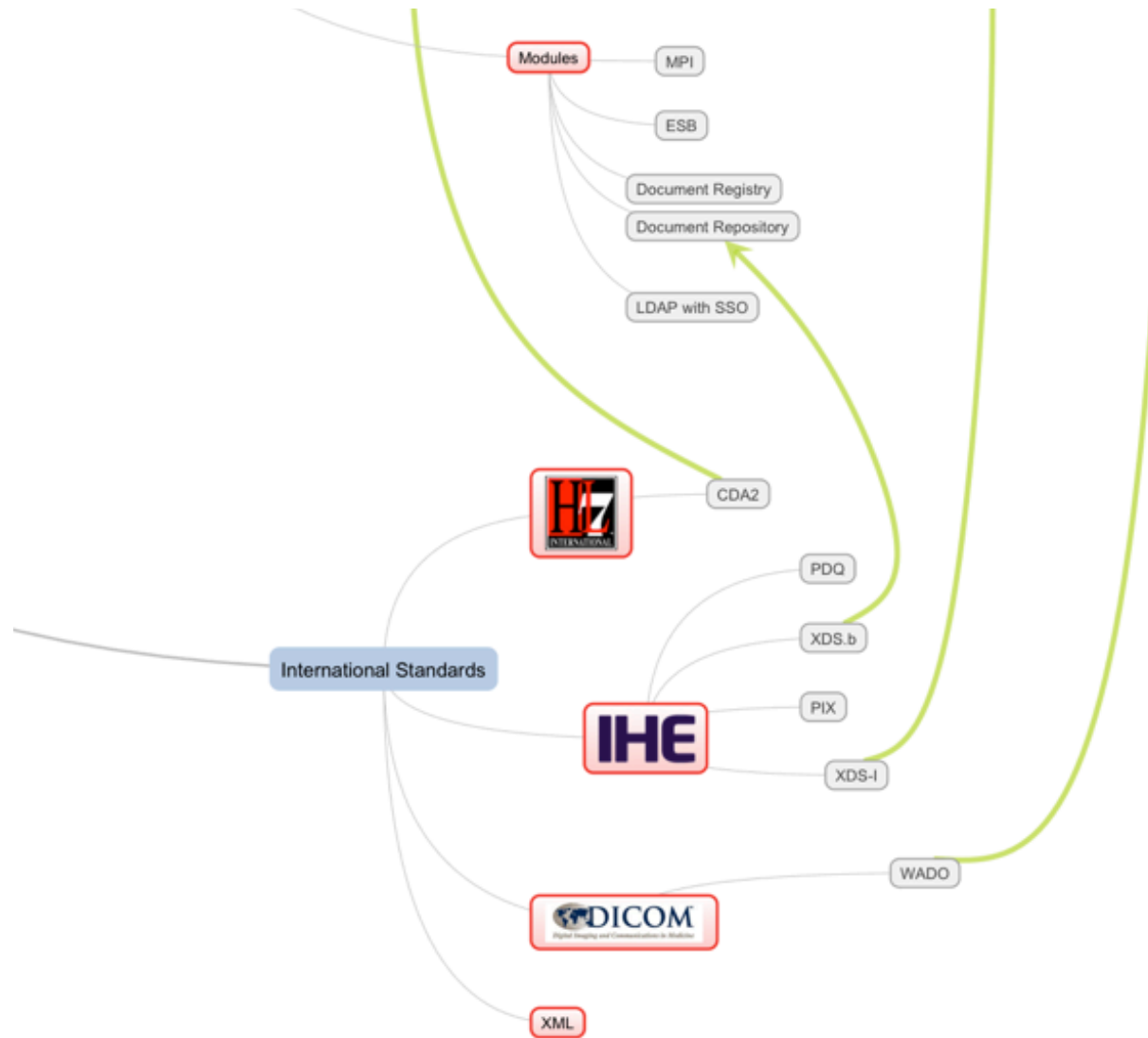
Daqing Components Overview



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Daqing Components Overview



Documents managed at Daqing

Documents managed each year through X1.V1 interoperability platform

5.000.000 for inpatients

10.000.000 for outpatients

Type of documents

prescriptions for treatment

prescription for drugs

reports from HIS, LIS, RIS, EMR,...

CT and ultrasound reports and images from PACS

generic reports produced by Communities' HIS

Architecture overview

Web Portal

- Citizen
- Health Resources
- ...

MPI

- Patient Demographics
- ...

Apps

Two-way referrals
Business intelligence
KPI
Etc...

Daqing: Key Achievements (1)

Fundamental Health Services

Multiple Records in ONE SYSTEM

Integration of health records into clinical information

Key Features:

- Chronic diseases
- Maternal and child healthcare
- Geriatric care
- Vaccine planning
- Family planning guide
- Disability rehabilitation

Daqing: Key Achievements (2)

Two-Way Referral System

Sharing of information of patients, medical records for a "two-way referral" between big hospitals and town-level hospitals or the community health service centers

EHR Viewer (Physician Portal)

Management of patient's medical information from birth to death, including treatments, medications, tests/examinations, and disease history. Facilitates the controlling the patient's condition, enhancing the healthcare quality while reducing risk

Daqing: Key Achievements (3)

Citizen's Web Portal

The Citizen Health Service Network allows citizens to consult their medical history information at home

Business Intelligence and KPI

The Health Decision-Making Analysis System allows comprehensive multi-dimensional analysis, including statistics and reports, on various healthcare, clinical and public health information, in order to assist administrators at all levels in their decision-making analysis.

Daqing: benefits realised through X1.V1

Rapid access to
patient data
aggregated across
applications

Unified portal view of
patient's complete
medical record

Improved
organizational ability
to comply with
Chinese reform

Improved clinical
efficiency and patient
safety

Integration with IT
systems provided by
different vendors

Automated
notification system
based on availability
of documents and
events



THANK YOU

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our software

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