

Appendix II: Procedures and regulations for assessing applications and granting licenses (permits) on SGES

The flowcharts

Task T.3.1. Current legal status, procedures and policies dealing with SGE use

Deliverable D.3.1

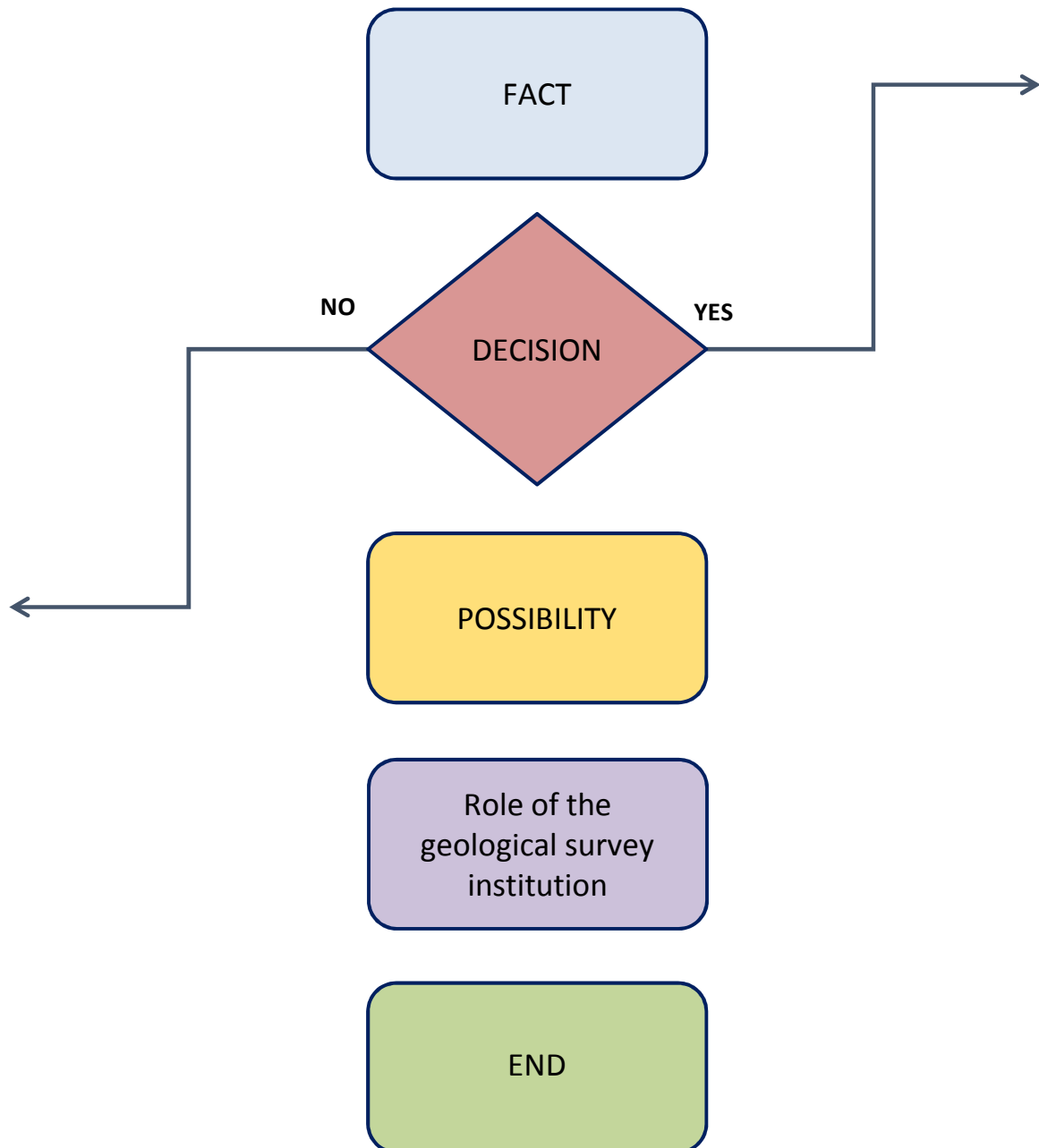
Report on the current legal framework, procedures and policies on SGE use in selected European cities

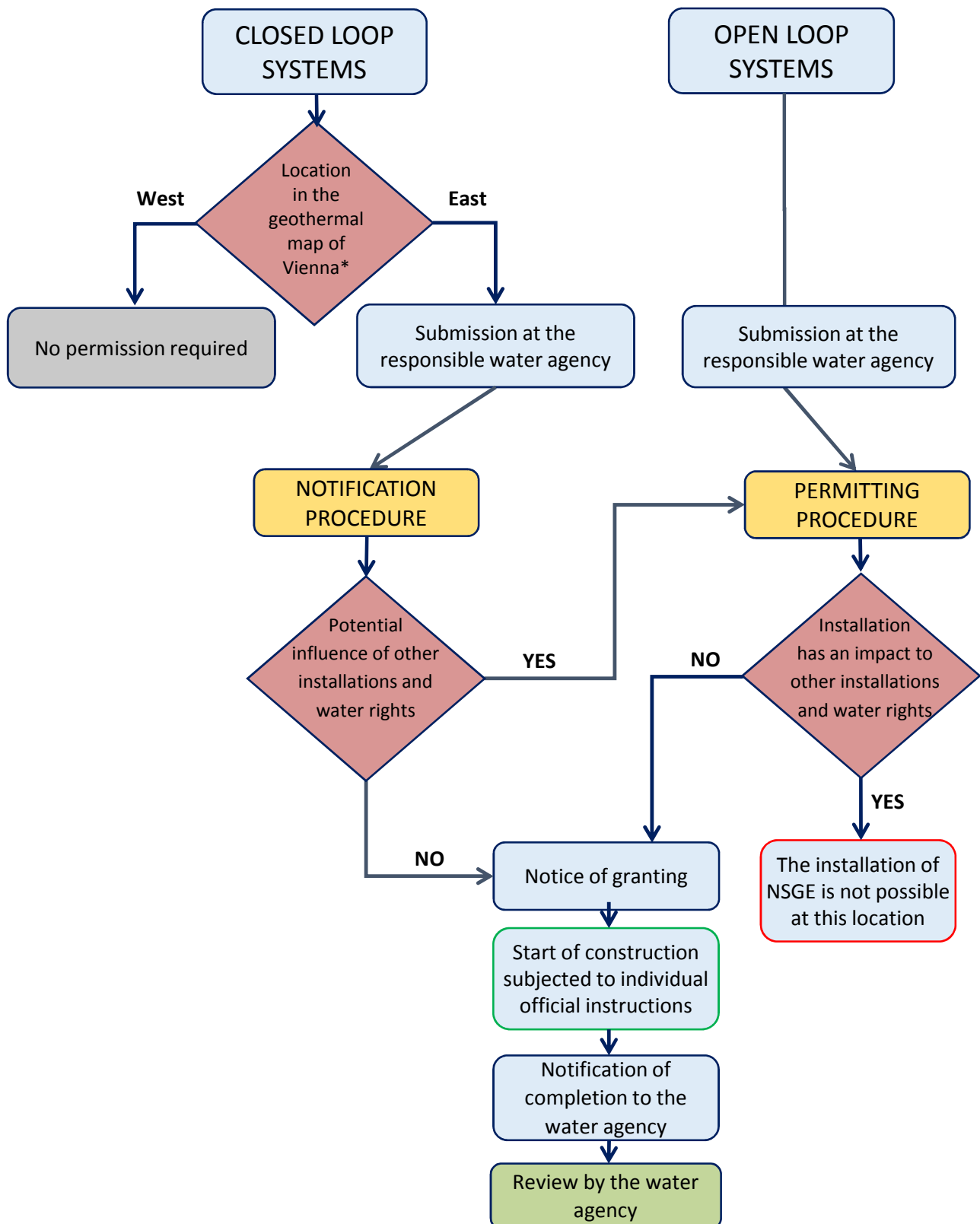
Detailed action Task T.3.1.2. Internal questionnaire on legal framework

Partner survey on specific national legal framework, procedures and policies (questionnaire covering aspects reviewed in 3.1.1) including the role of geological surveys

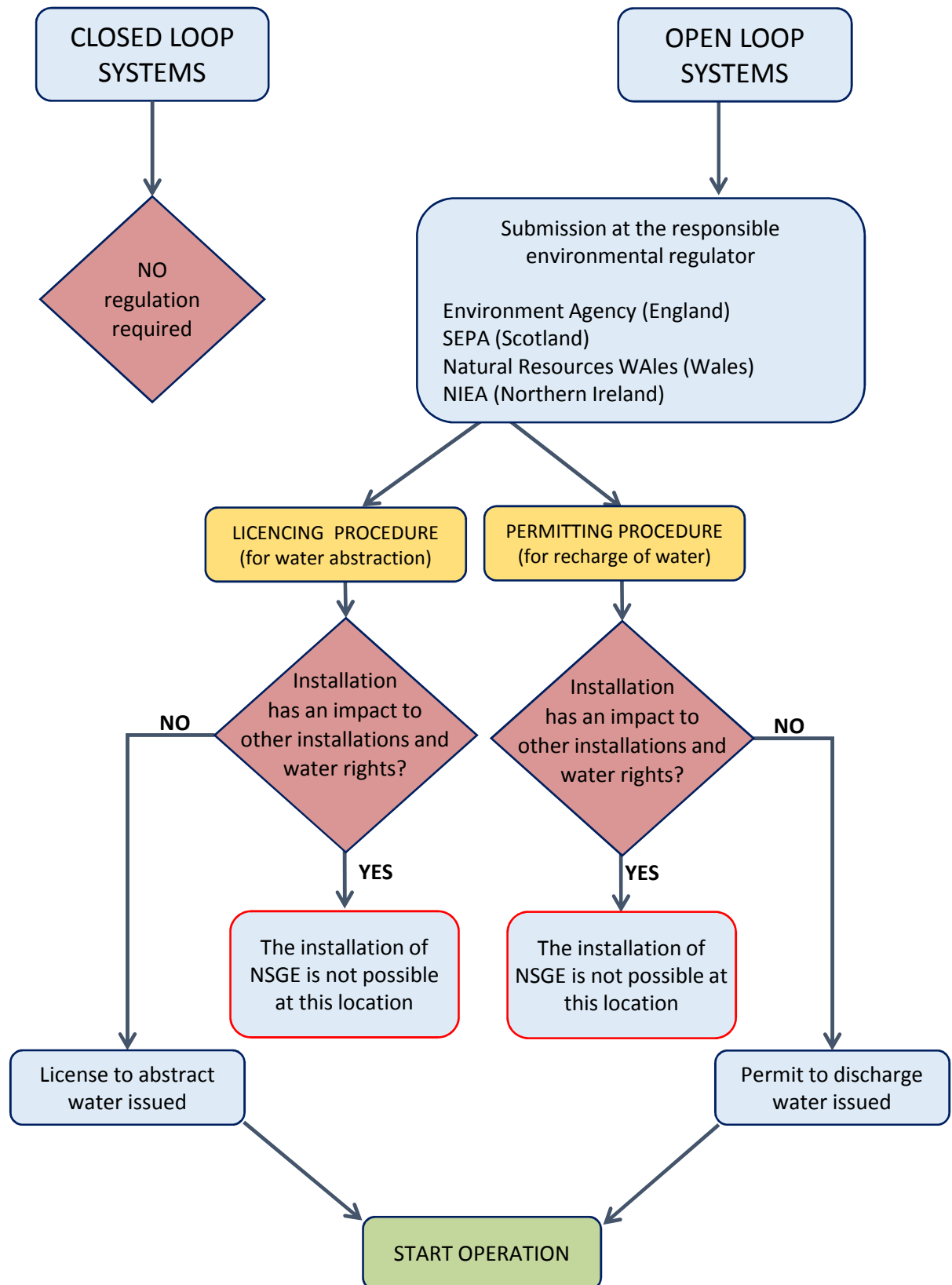
RESPONSES WITH APPENDIX II		
Partner acronym	Organisation name	Response
P01 GBA	Geologische Bundesanstalt	yes
P02 UKRI	United Kingdom Research and Innovation	yes
P03 ICGC	Institut Cartogràfic i Geològic de Catalunya	no
P04 HGI-CGS	Hrvatski Geološki Institut	yes
P05 CGS	Ceska Geologicka Sluzba – Czech Geological Survey	yes
P06 BRGM	Bureau de Recherches Géologiques et Minières	yes
P07 GSI	Geological Survey Ireland	yes
P08 RBINS-GSB	Royal Belgian Institute of Natural Sciences – Geological Survey of Belgium	no
P09 GeoZS	Geološki zavod Slovenije	yes
P10 IGME	Instituto Geológico y Minero de España	no
P11 SGU	Sveriges Geologiska Undersökning	yes
P12 TNO	Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek TNO	yes
P13 PIG-PIB	Państwowy Instytut Geologiczny – Państwowy Instytut Badawczy	yes
P14 SGIDS	State Geological Institute of Dionyz Stur	yes
P15 GEOINFORM	State Research and Development Enterprise State Information Geological Fund of Ukraine	no
P16 GEUS	Geological Survey of Denmark and Greenland	no

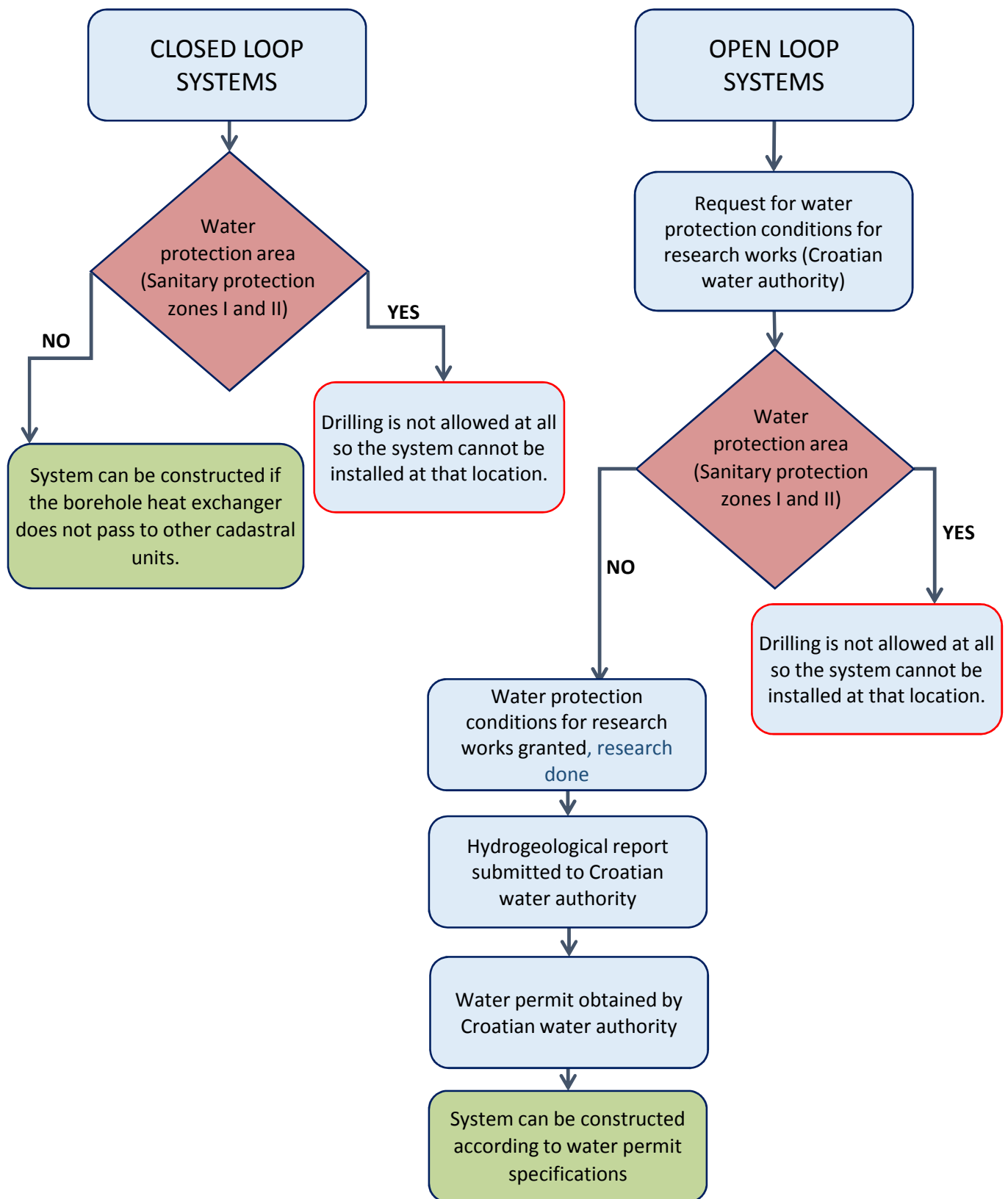
BASIC ELEMENTS

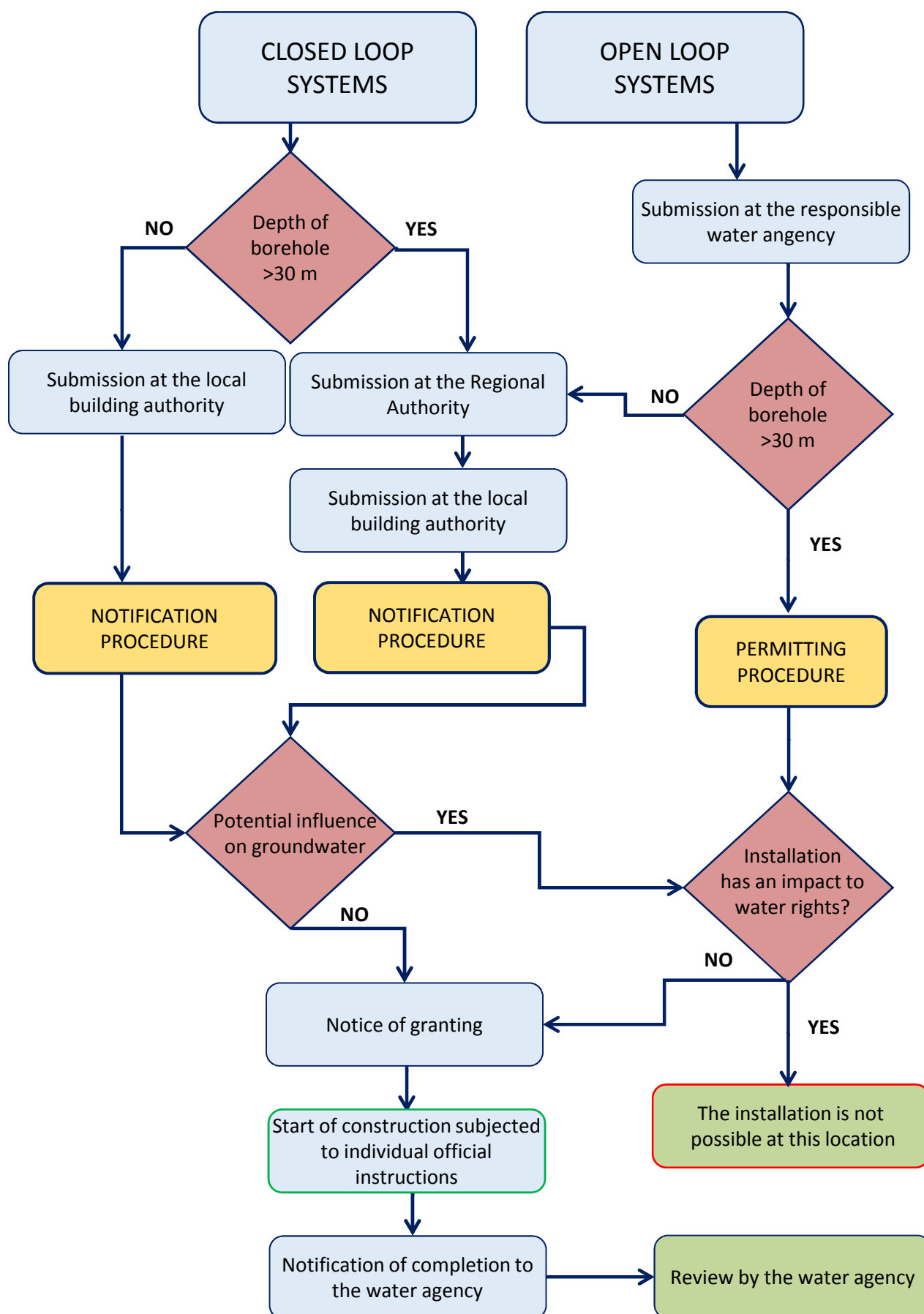




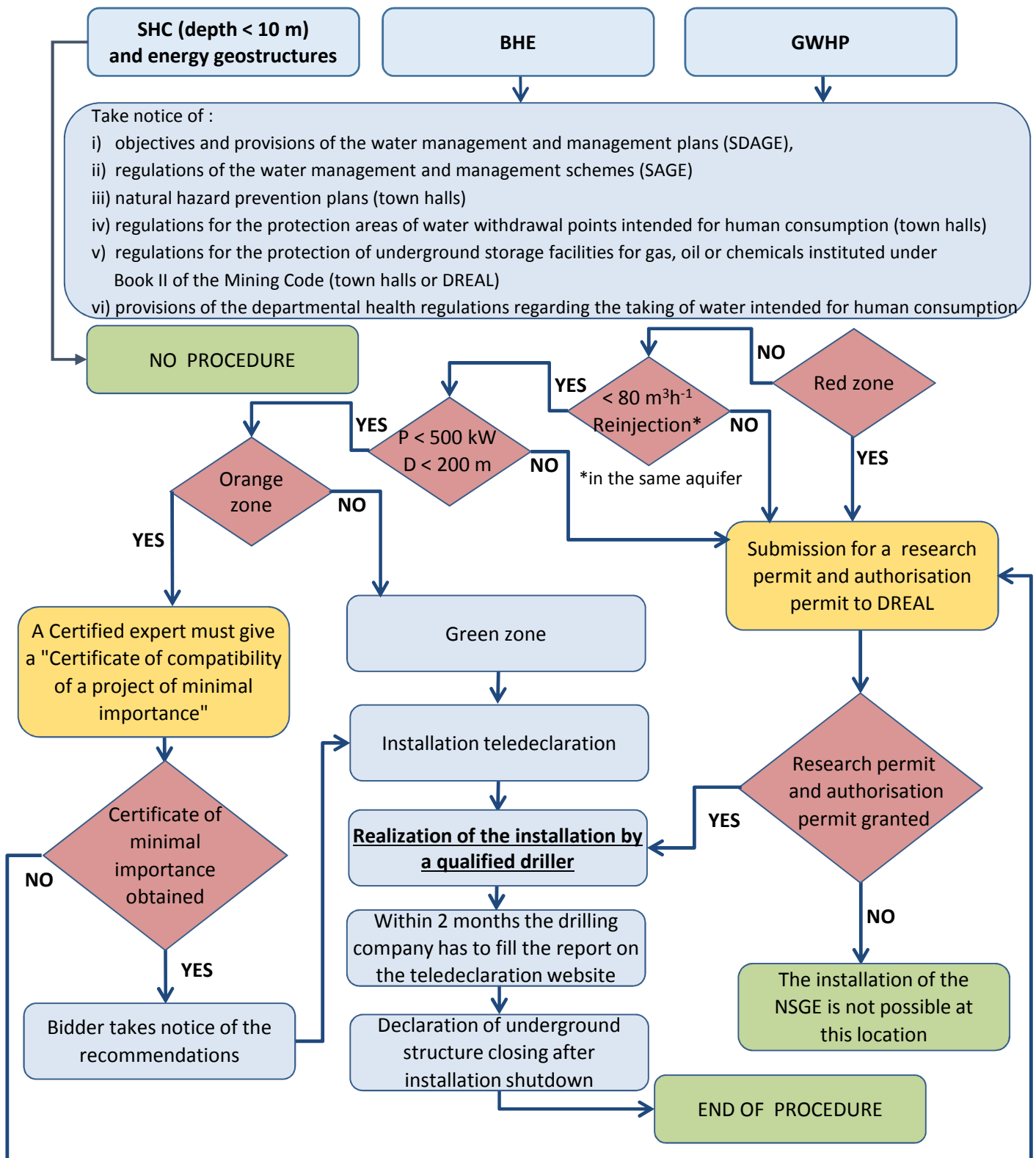
* Potential maps are accessible via the webviewer of the city of Vienna. The map contains amongst others a information about necessary licensing procedures. The information is displayed as boarder where system in the west do not need any licensing while for systems in the east a notification procedure is performed.







P06_BRGM Procedures and regulations for assessing applications and granting licenses (permits) on SGES in FRANCE

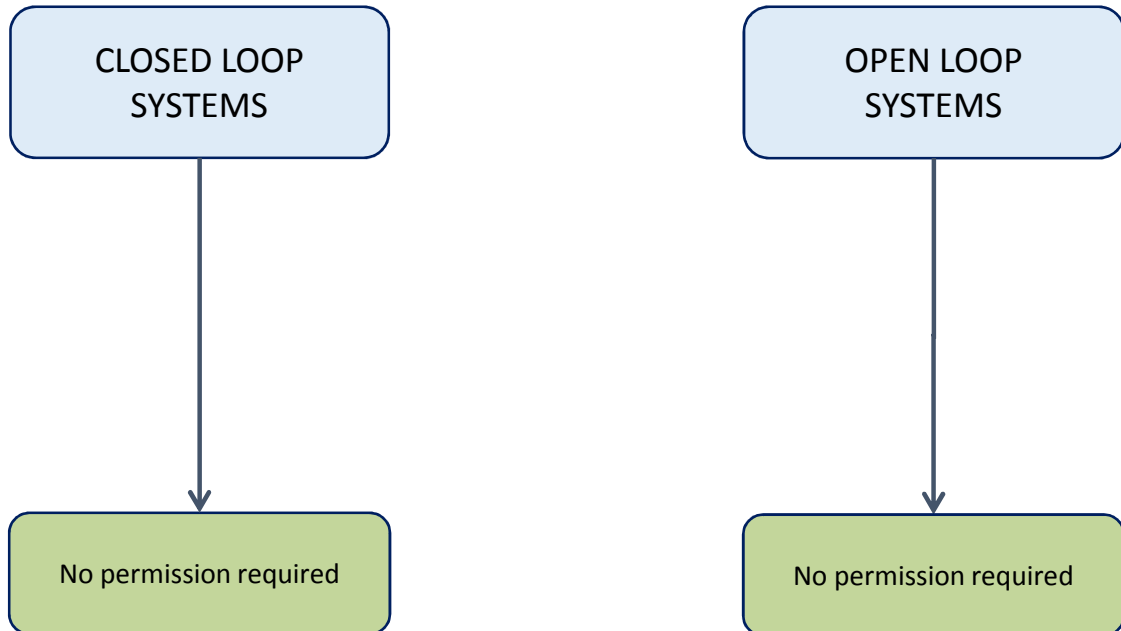


Statutory zones {defined on WEB-GIS map by special conditions, i.e. subsidence / swelling / collapsing / movement of ground [evaporites, salts, natural and artificial cavities, landslides], polluted land or groundwater, artesian groundwater, aquifer communication, rising groundwater and saltwater intrusion}:

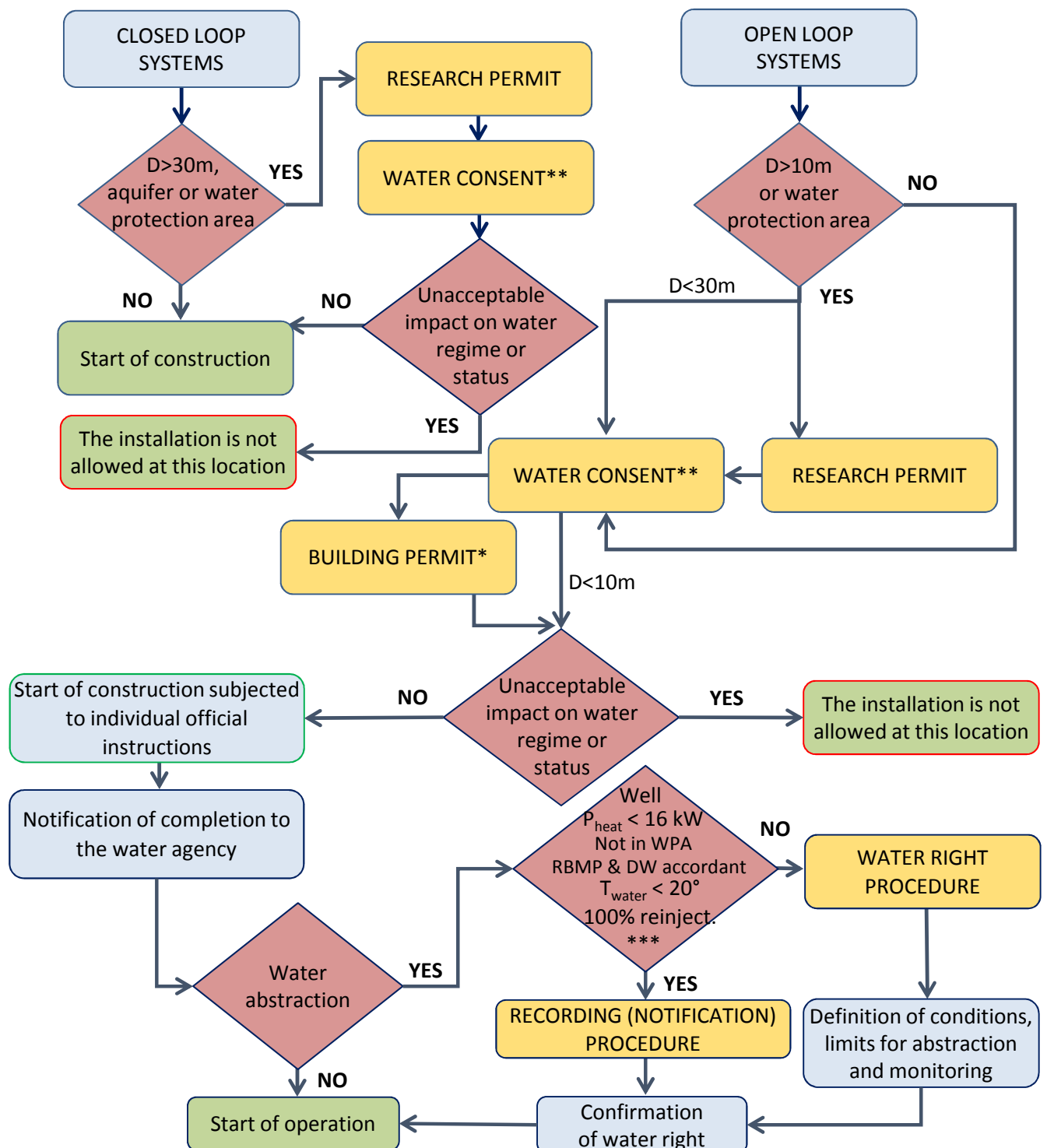
"green": only declaration is needed (simplified administrative system);

"orange": only declaration is needed, the bidder is required to provide a "certificate of compatibility" from an expert;

"red": geothermal project is subject to authorization (authorizations for research, opening of works and exploitation).



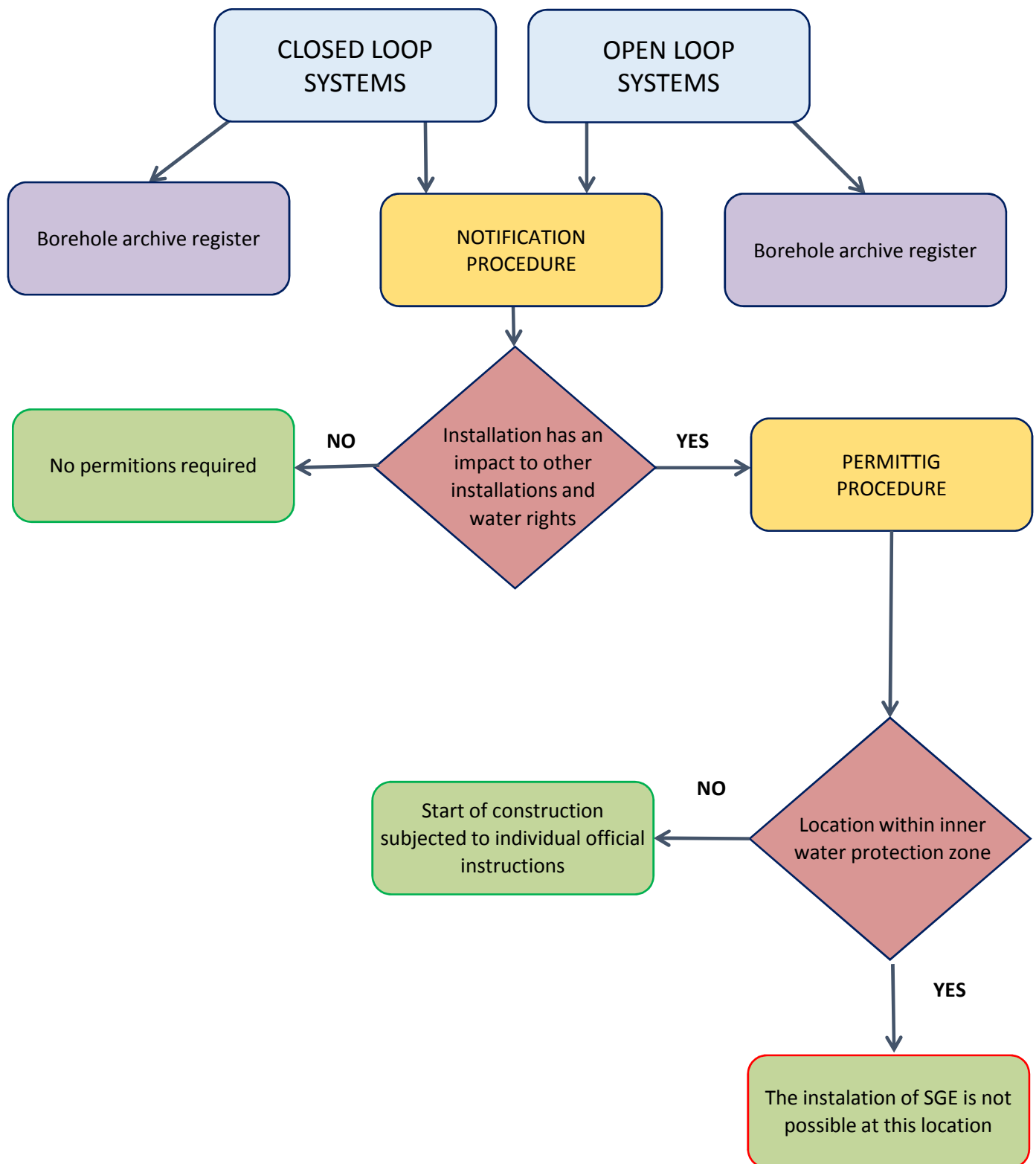
P09_GEO ZS Procedures and regulations for assessing applications and granting licenses (permits) on SGES in SLOVENIA

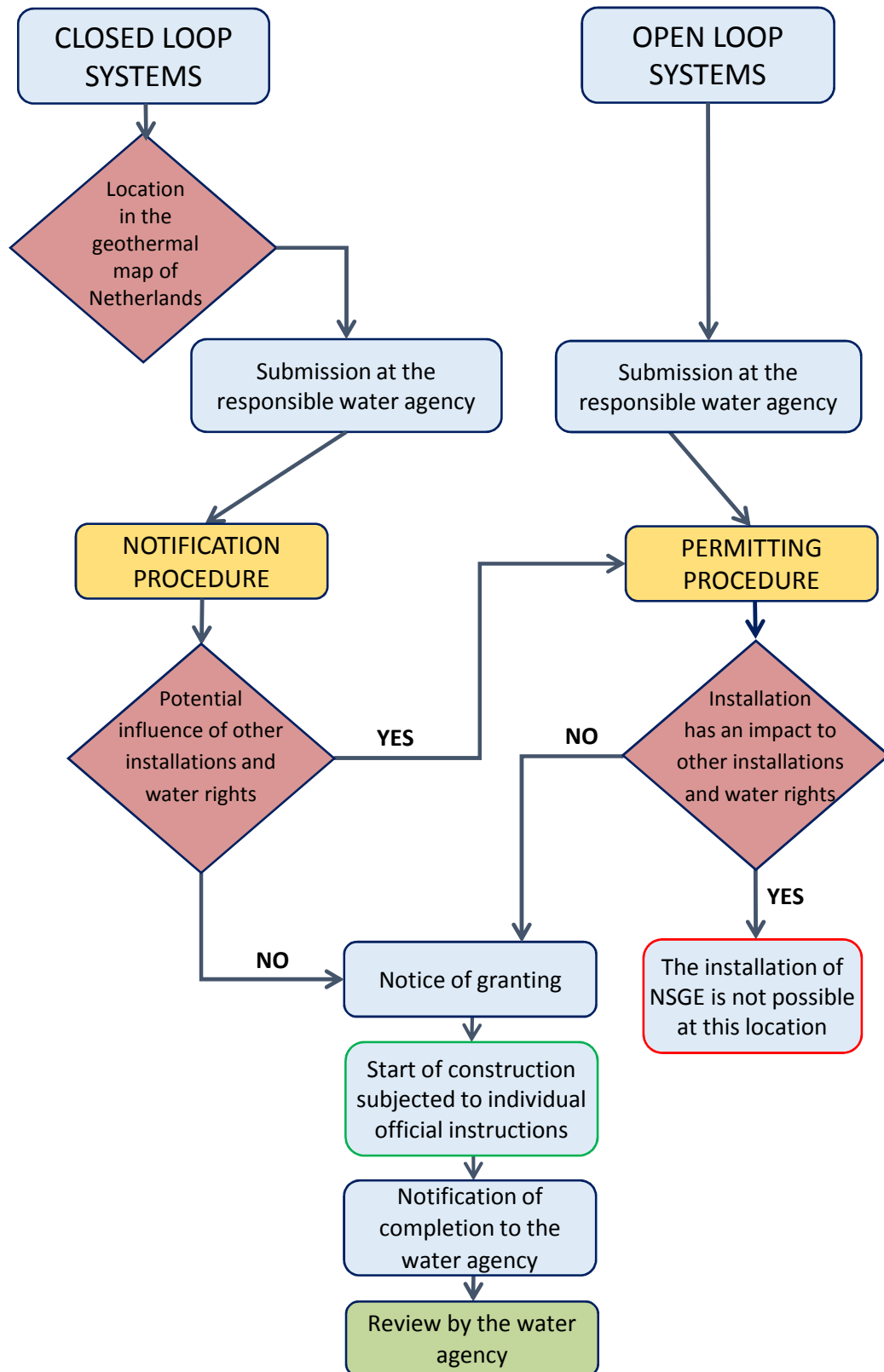


* If depth of pumping well > 10 m, building permit with construction design is required. If depth is between 10 to 30 m very simple construction design is required. If depth > 300 m, revised mining design is required.

** Water consent is needed in the case of possible permanent or temporary impact on water regime or status, water abstraction or reinjection, location on coastal or waterside land, on water or other protected areas or on natural risk zones. Environmental impact assessment (EIA) is required for abstraction > 10⁷ m³/year. Review of EIA is required for installations with peak abstraction Q > 100 l/s or abstraction of mineral and thermal water.

*** Well: water abstraction from groundwater well (not from spring or surface water), WPA: Water Protection Area, RBMP: River Basin Management Plan, DW: drinking water legislation, T_{water} < 20°: not abstracted from thermal water aquifer, 100% reinject.: all abstracted water is reinjected into the same aquifer.



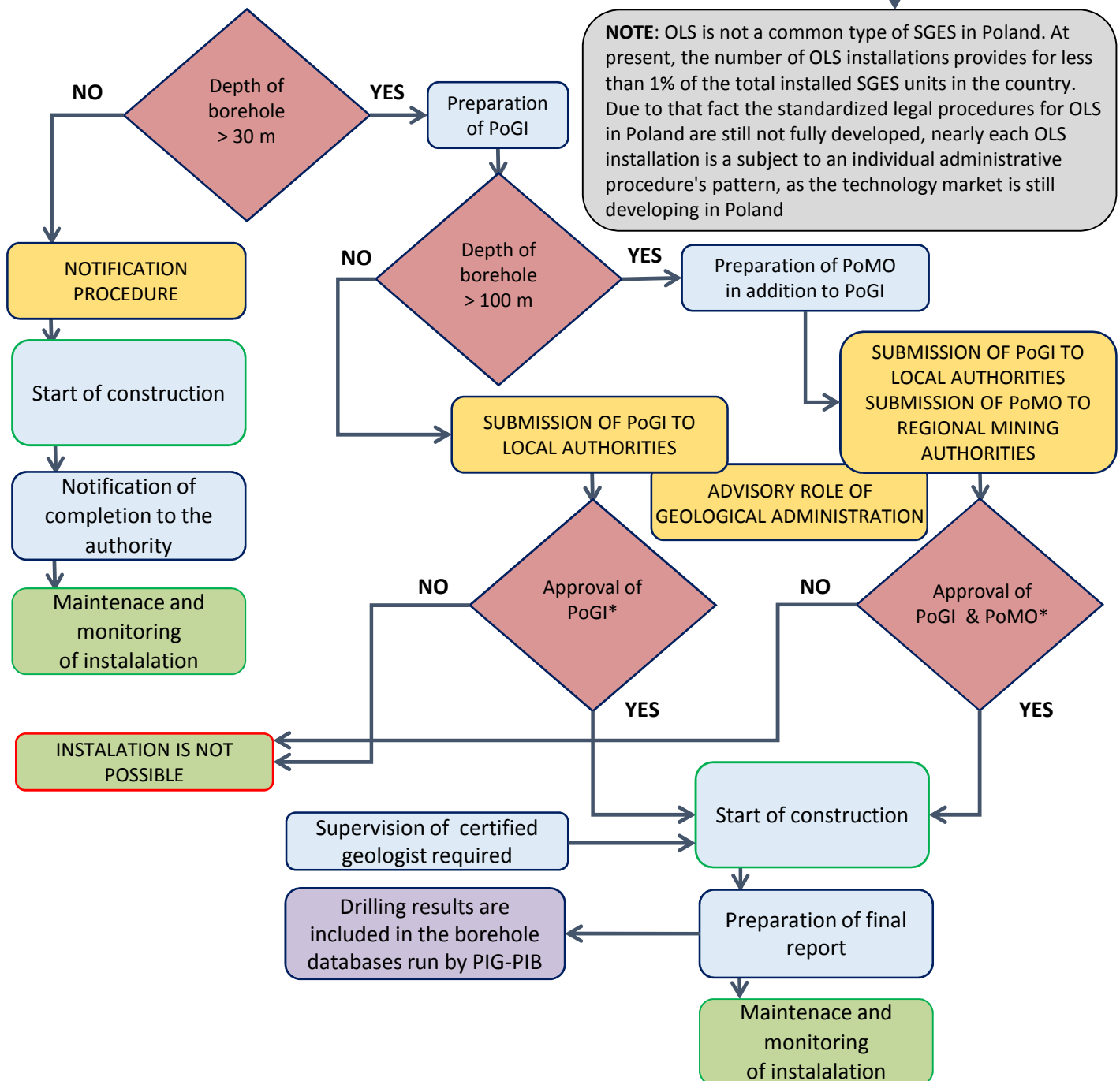


P13_PIG PIB Procedures and regulations for assessing applications and granting licenses (permits) on SGES in POLAND

CLOSED LOOP SYSTEMS

OPEN LOOP SYSTEMS

NOTE: OLS is not a common type of SGES in Poland. At present, the number of OLS installations provides for less than 1% of the total installed SGES units in the country. Due to that fact the standardized legal procedures for OLS in Poland are still not fully developed, nearly each OLS installation is a subject to an individual administrative procedure's pattern, as the technology market is still developing in Poland



PoGI - programme of geological investigations, includes: description of geological and hydrogeological settings, review of relevant archive data, design of drilling and construction of borehole(s), design of investigations and measurements

PoMO - programme of mining operations, includes: technical conditions for exploitation of the installation, environmental constrains, identification of risk and risk mitigation measures

Role of PIG-PIB: it can be asked for advise at any stage of the administrative procedure and construction of installation. The geological reports are stored, in the National Geological Archive run by PIG-PIB, while the drilling results are included in the borehole data base also run by PIG-PIB

* approval of PoGI and PoMO is equal to permission for drilling and construction of CLS

** final reports are submitted to the authorities in charge of approval of PoGO and PoMO

P14_SGIDS Procedures and regulations for assessing applications and granting licenses (permits) on SGES in SLOVAKIA

DRILLING WORK for CLOSED and OPEN LOOP SYSTEMS, geological/hydrogeological prospection

