

SAFETY AND ENVIRONMENTAL PROTECTION

HYDROCARBON SECTOR

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ASEA

AGENCIA DE SEGURIDAD,
ENERGÍA Y AMBIENTE

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Washington, DC



ASEA

- **Legal Mandate**

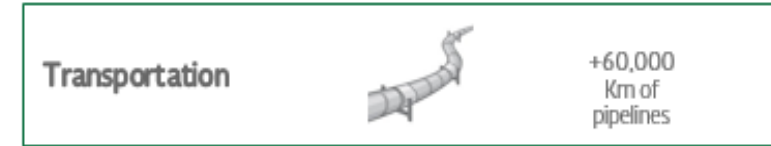
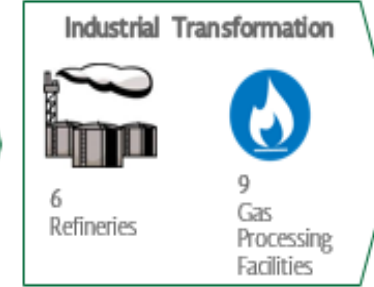
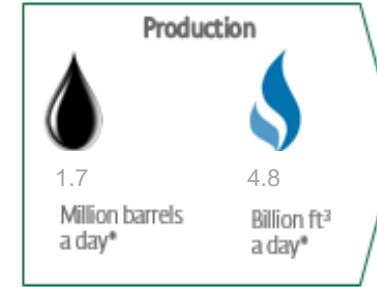
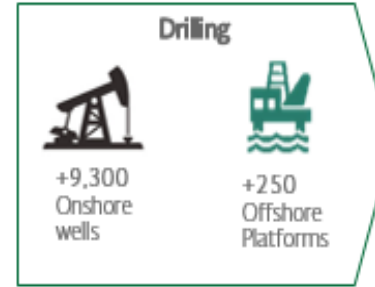
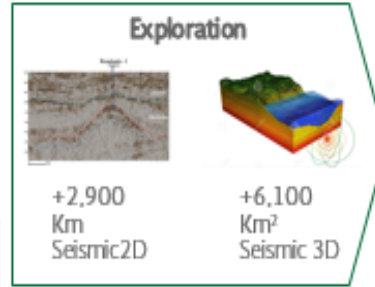
- Regulate
- Authorize
- Supervise

- **Scope**

- Industrial Safety
- Operational Safety
- Environmental Protection

August 11th 2014: ASEA Law

March 2nd 2015: Start of operations



* CNH (2018)



ASEA's Scope



	Exploration and Extraction		Transportation and Storage		Industrial Transformation	Distribution and Retail
	Onshore	Offshore	Onshore	Offshore		
ASEA						
BSEE (USA)						
BOEM (USA)						
AER (CAN)						
HSE (RU)						
AMLA (COL)						
PSA (NWY)						

Industrial safety



Environmental protection



ASEA's Approach



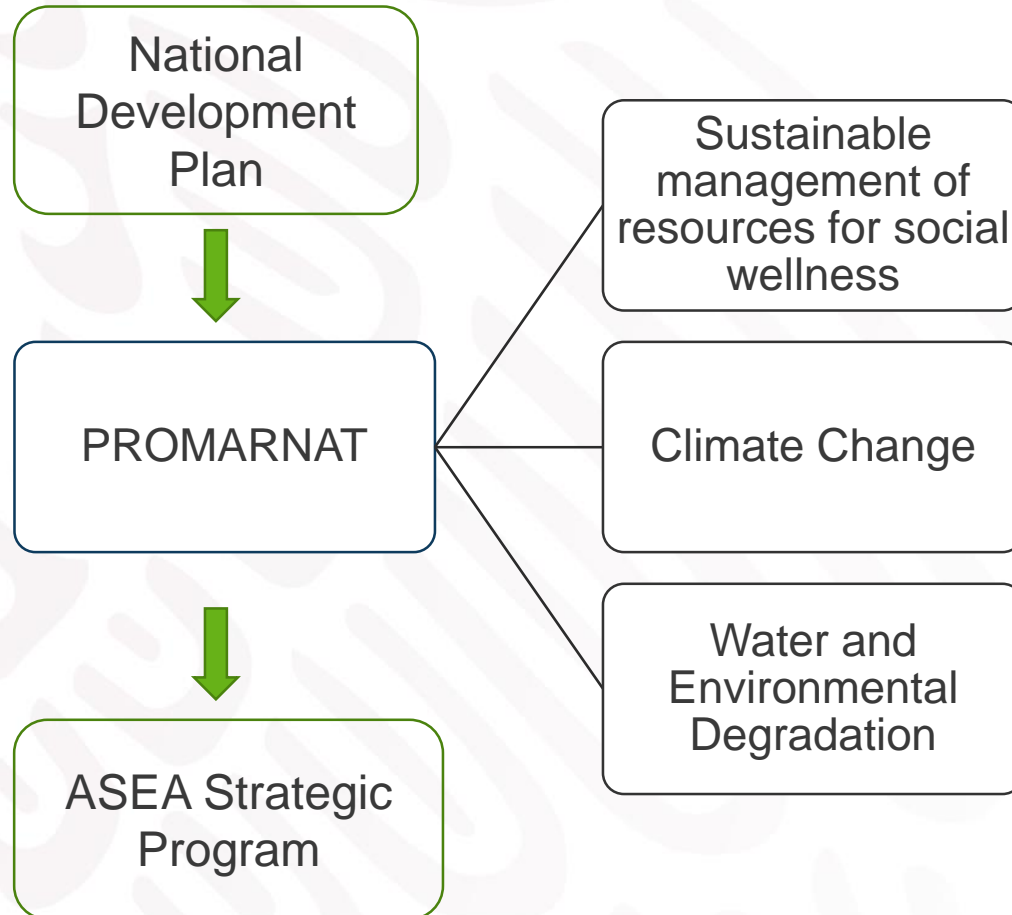
Promote safety and environmental culture in the Oil and Gas operations through:

- Objective based regulation
- Risk based management
- Incorporation of international best practices
- Safety and Environmental Management Systems
- Favoring preventive and corrective actions over fines and sanctions
- Performance evaluation
- Interoperability and promptness in internal and external processes



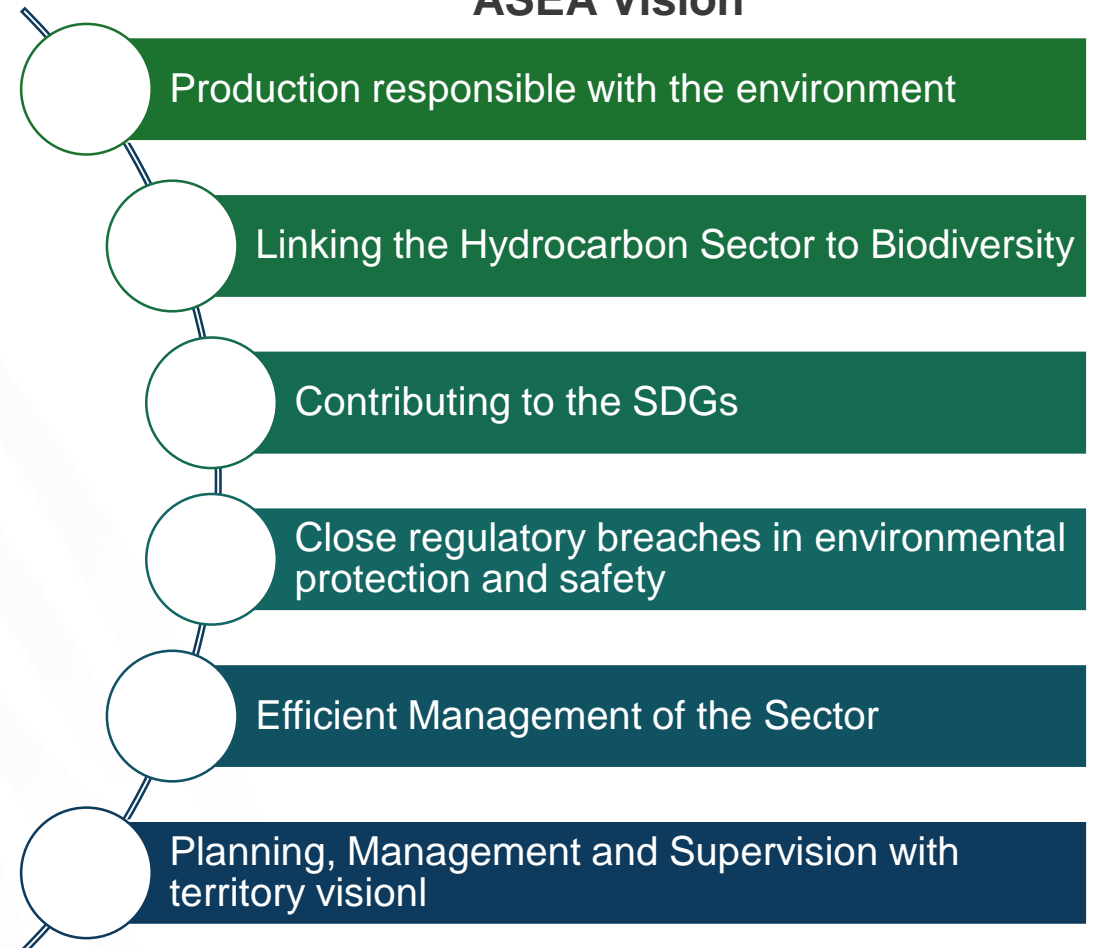
Construction of ASEA's Vision

Construction with
ASEA consumables



Priority Issues

ASEA Vision





Policy Actions



Impact

Financial Instruments (Civil Responsibility and Environmental Damage)

Regulation, Laws, Rules, NOM, NMX, DACG

Safety and Environmental Management Systems

Management based on the prevention and mitigation of environmental impacts

Evaluation of Compliance (Third Parties and Audits)

Qualitative Program for Supervision and Vigilance

Inspections with a preventive and corrective vision

Fines and Sanctions



Environmental Protection



Safety and Environmental Protection Achieved Through:

- I. Fostering culture and capacity for risk and environmental impact prevention through the **implementation of SASISOPA** by the Regulated.
- II. Requiring **financial instruments** so that the Regulated respond for the damages they can cause.
- III. Technical **regulation based on** the **risk** involved in every stage of the value chain and privileging objective based over prescriptive measures. It goes hand in hand with the interested parties and is based on industry best practices and standards.
- IV. Management and authorization based on risk through **a digital and automatized platform** for filings and with the support of technical evaluations by third parties.
- V. Compliance evaluation, supervision, vigilance and inspection based on risk with **support from third parties**, which privileges the closing of risk gaps over fines and sanctions.



Risk Management

A Third Party accepting the risk in exchange for a compensation (Insurance).



Reducing the probability and/or impact of an event with a considerable risk (SASISOPA)



Establishing the necessary and sufficient controls that prevent the event from occurring.



Online Services Office

Improves accessibility to filings and their tracking to provide a better service to the Regulated.

We seek to have a 100% digital platform



Unique Regulated
Registry Code (CURR)

ASEA's Permits



Regulatory Coordination Group

System of Energy Sector Regulators

- Facilitate the Sector's development
- Provide long term regulatory certainty
- Systematic operation to attend the sector's needs
- Have vanguard technical capacity
- Creation of the Energy Sector Coordinated Assistance Office
 - Guide and provide information regarding the applications for filing linked to areas in which more than one Regulator is involved

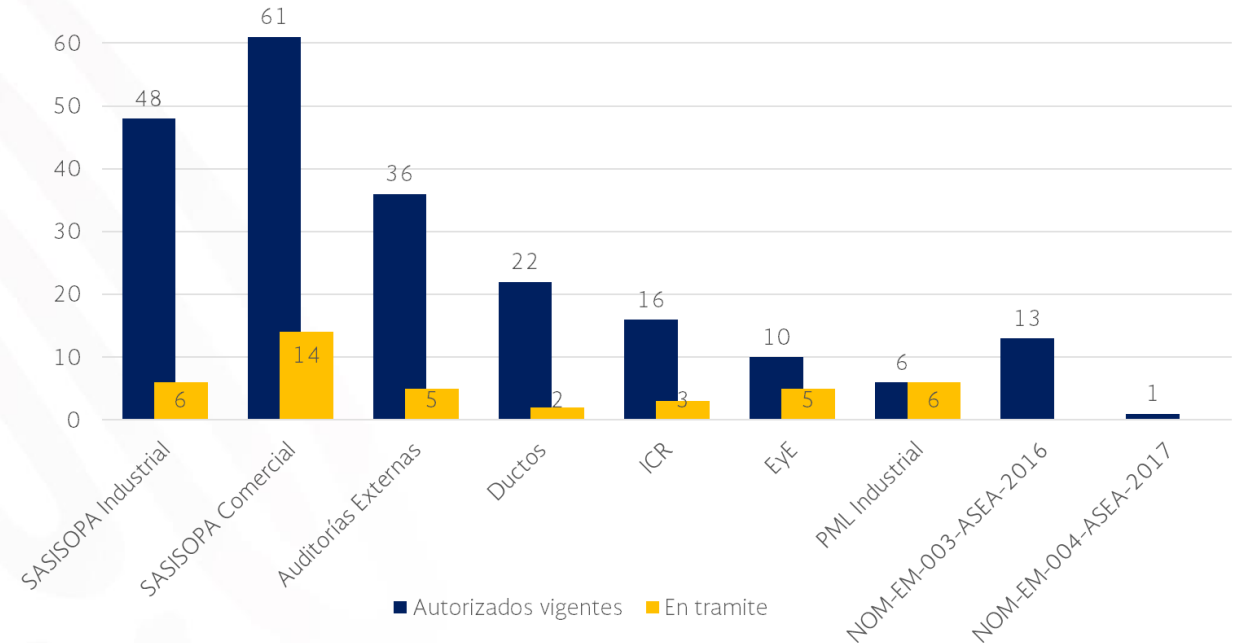




Third Parties

- Approval
 - Certification Organisms
 - Verifying Units
 - Test Laboratories
- Authorization
 - Authorized Third Parties
- Performance Evaluation

- 17 calls for approvals
 - 379 approvals
- 9 calls for authorizations
 - 213 authorizations



Inspection Criteria

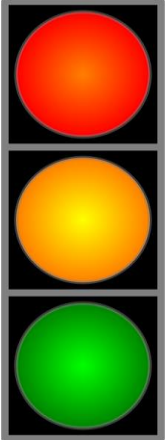
Inspection and verification are critical for the Sector's optimal performance; their results are used to determine corrective actions which are favored over sanctions.

To maximize inspection efficiency, the criteria must be homologated and pertinent to the operations of each Regulated

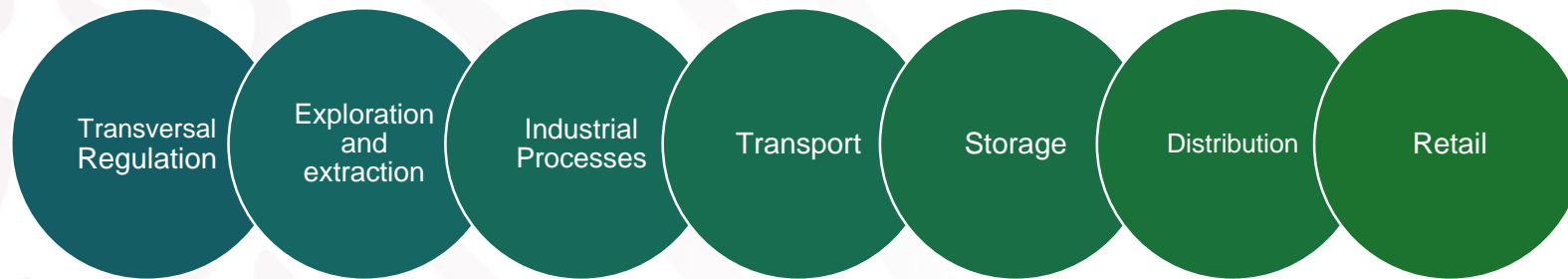




Criteria for supervision and inspection

- Parameters for the performance of the Regulated:
 - ✓ Criticality of the Process (Incidents)
 - ✓ Complaints and Reports
 - ✓ Technical Infringements
 - ✓ Administrative Infringements
 - ✓ Organizational Culture
 - ✓ Results from the previous inspection
- Selection of Regulated for inspection visits
 - 
 - Inspection Visit
(Not acceptable risk)
 - Supervision
(Tolerable risk)
 - Monitoring
(Acceptable)
- Parameters for the supervision (verification) of Third Parties
 - ✓ Observations
 - ✓ Corrective Actions
 - ✓ Resolutions
 - ✓ Follow-up program

Current and in progress regulation



Thank you!

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