



Kazakhstan's Carbon Units Registry

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Main topics

- Basic info
- Registration, user types
- National Allocation Plan and quota allocation mechanism
- Quota trading system
- Trading statistics

Registry development

- The registry was developed by our organization “from scratch”
- First version - 2012
- Current version
- Languages: PHP, MySQL

Registration in system

- User provides basic information about his company (address, phone, email, etc).
- User signs an application for registration
- Every case is being reviewed by Registry administrator, so the registration might be confirmed or declined

User types

- Nature users
- Brokers
- Traders
- Individuals or trading companies

Nature user functions

- Receive quotas according to NAP
- Choose a trader
- Buy/sell quotas through trader

Trader functions

- Control quotas that Nature user signed for sale
- Trader can't buy/sell quotas on this type of account. In order to do that, trader needs to register another account (as individual)
- Attach document that confirms transaction

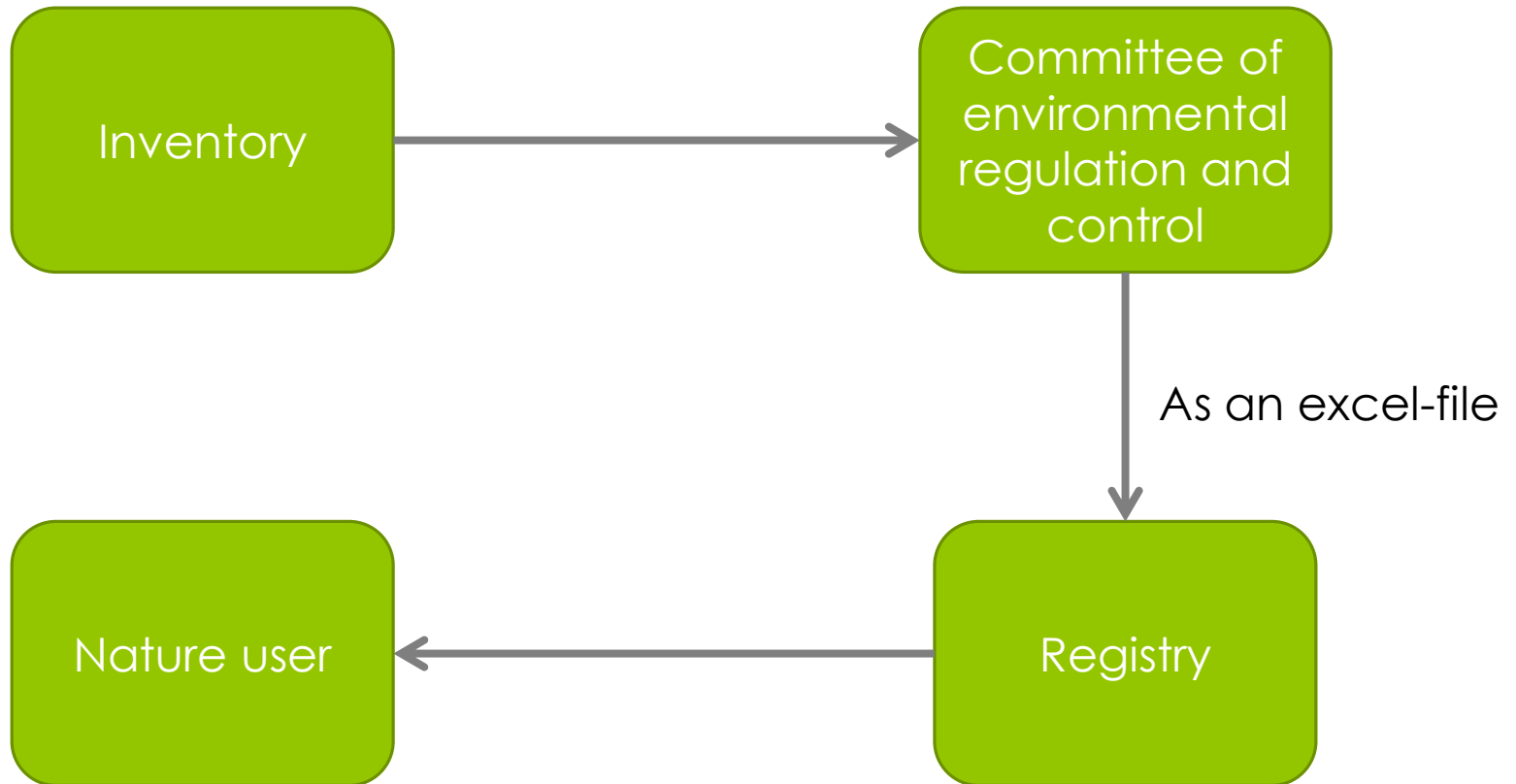
Administrator functions

- Confirm/reject any user type registrations
- Confirm/reject transactions
- Generate registration keys for users
- Block/regain access for any user types
- Load NAP file into system
- Check full transaction history

National Allocation Plan (NAP)

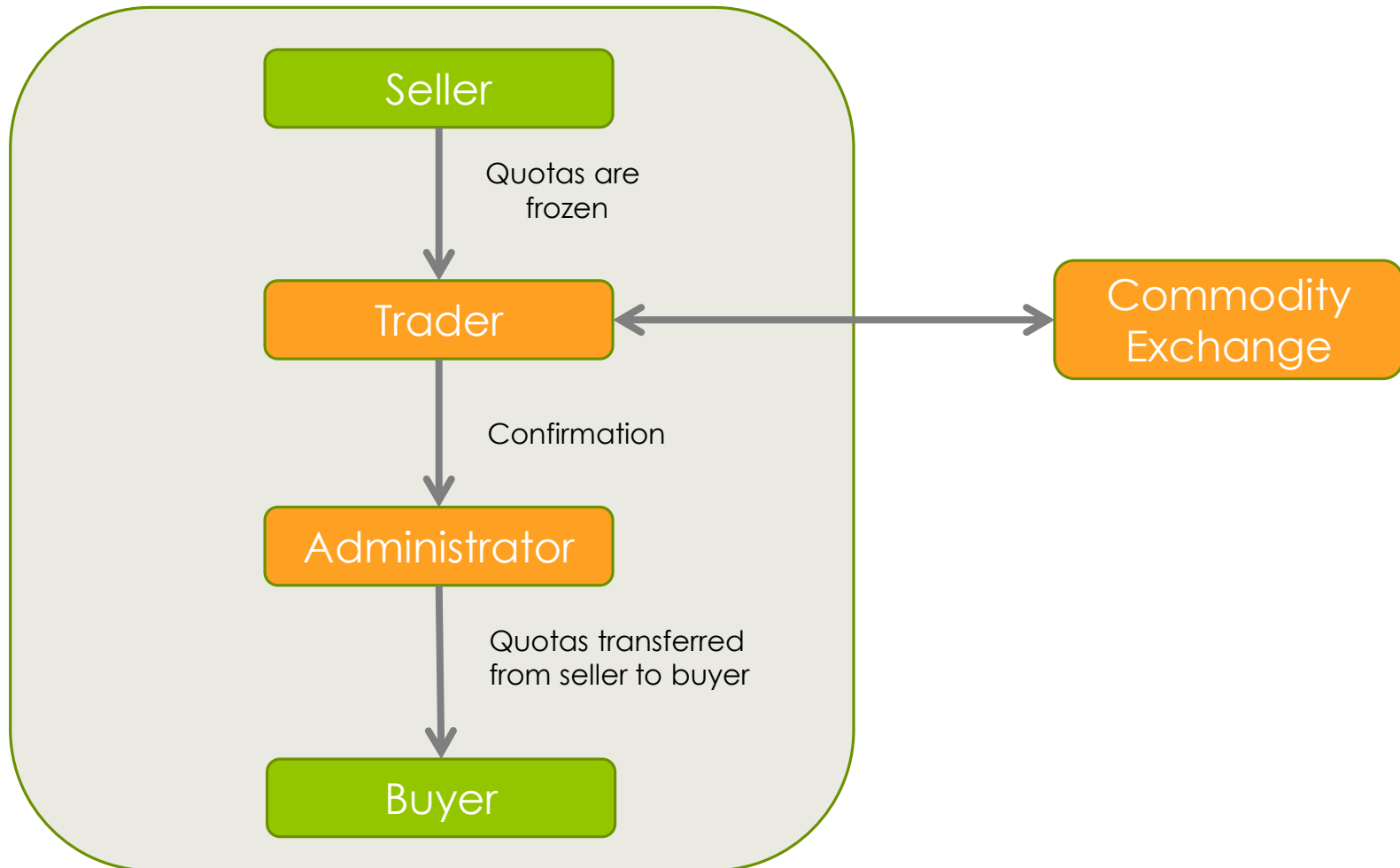
- NAP is the main source of carbon units
- NAP is developed by the Ministry of Energetics
- NAP is presented as an Excel-file
- Excel-file is loaded and analyzed by the system automatically

NAP

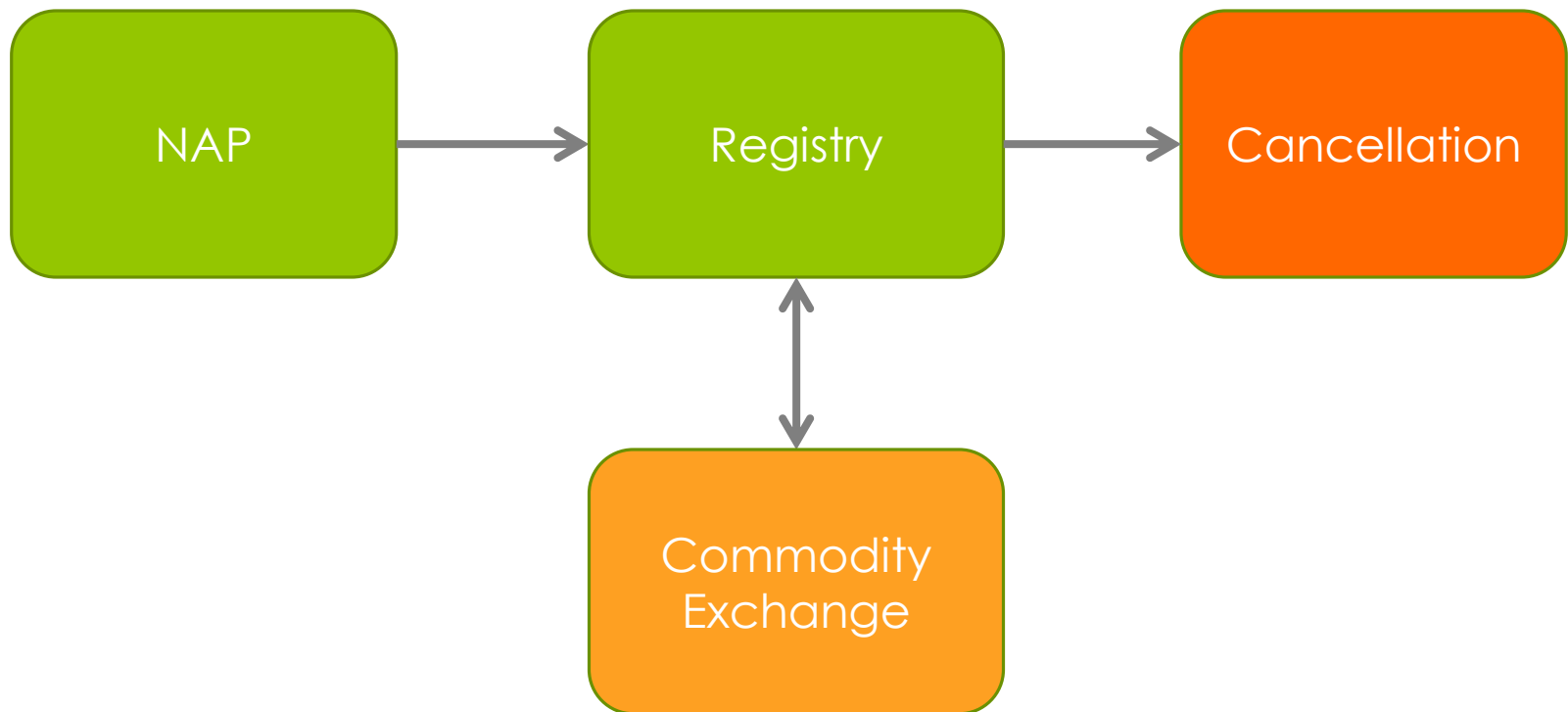


Trading process

Registry



Quota life cycle



Trading report

- During 2014 trading year:
 - Total quotas treaded **1252950**
 - Total transactions: 34
- During 2015 trading year:
 - Total quotas treaded **1983922**
 - Total transactions: 40



Thank you for attention!