

T-3 Crude oil, its mining and processing



evropský
sociální
fond v ČR



EVROPSKÁ UNIE



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MLÁDEŽE A TĚLOVÝCHOVY



OP Vzdělávání
pro konkurenceschopnost



UNIVERZITA
OBRANY

INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Introduction

1. Formation and composition of Crude oil

2. Crude oil mining

3. World supplies of Crude oil

4. Crude oil and Czech Republic

Conclusion

1. Formation and structure of Crude oil

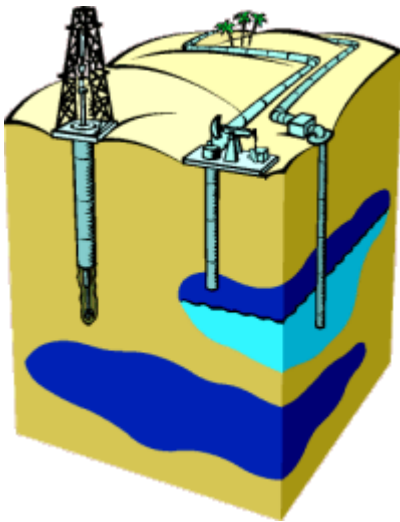
Crude oil is material, which is moving between rocks and it's very hard to find its place of formation. During movement causing the absorption of certain substances from surrounding rock, which had some influences on crude oil composition and attributes. Therefore, the composition of original oil can be different than crude oil mined from current sites. For that reason are discussions about the formation of crude oil connected with several groups of theories.

We can divide these theories to two basic groups:

- ✿ Anorganic theory
- ✿ Organic theory

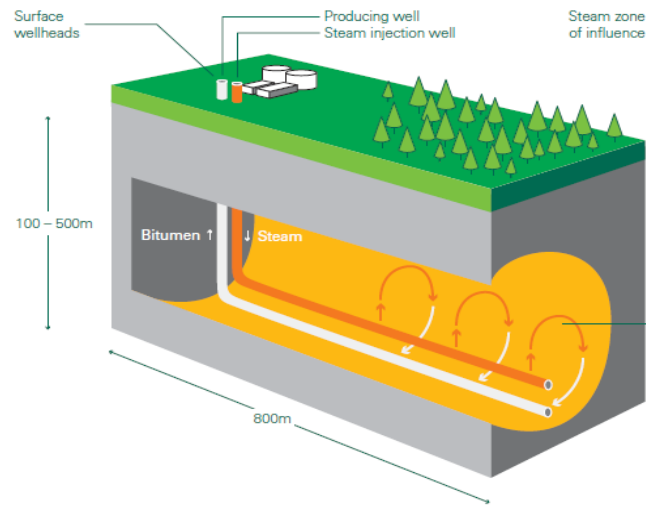
2. Crude oil mining

Crude oil deposits are opened and mined by deep wells, from which oil rises by itself, sometimes bursting into meters high above, or draws. In the case of spontaneous discharge, the course of the wellhead must be collected and safely drain. During draining, can be usually used the pressure of gasses collected in upper part of the deposit.



Steam assisted gravity drainage

A horizontal well is located near the bottom of the reservoir. Steam, produced using natural gas, is injected into a second horizontal well located approximately five metres above and parallel to the producer. The steam heats the bitumen allowing it to flow along with condensed steam to the lower well for production.

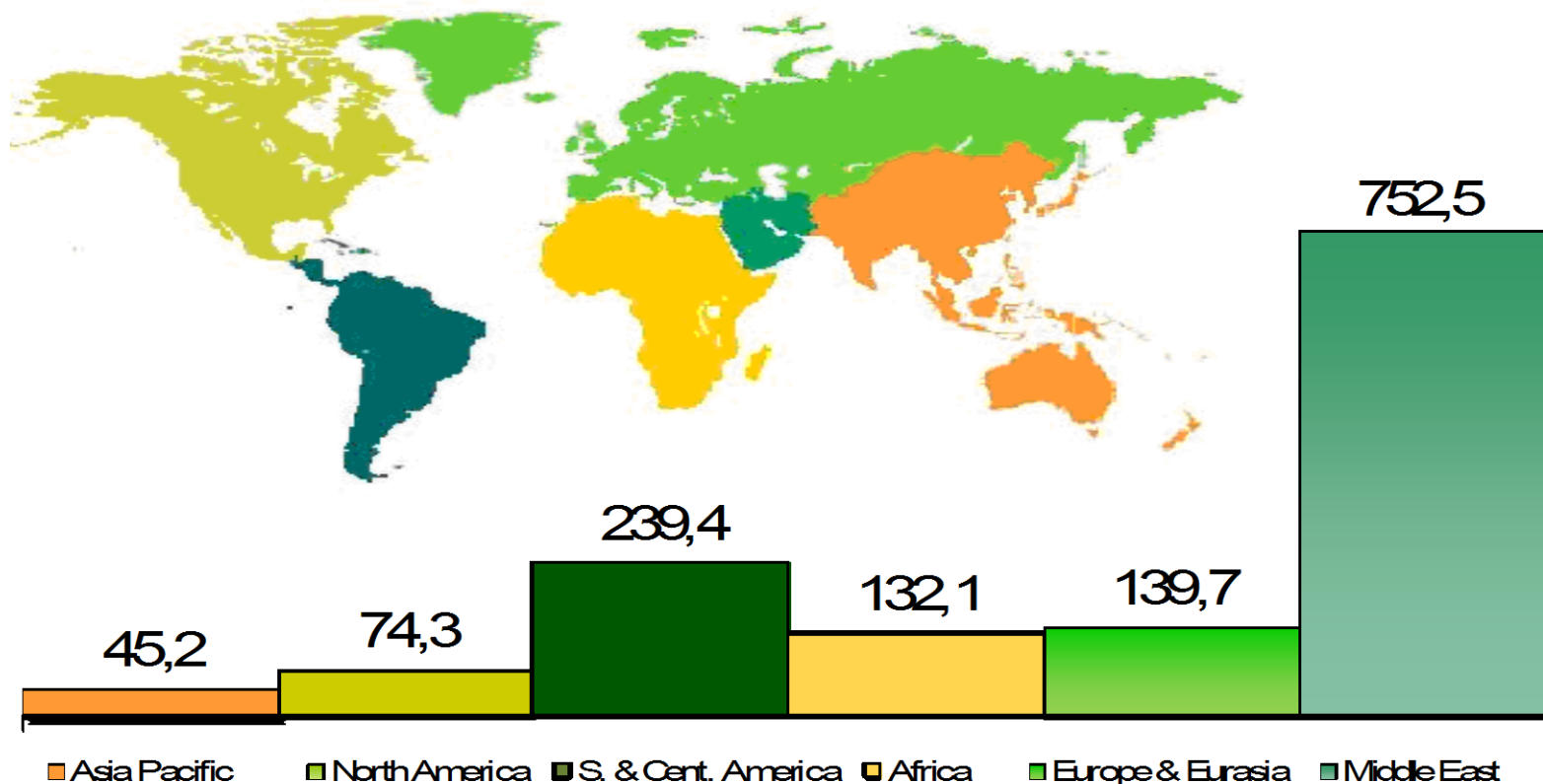


3. World supplies of Crude oil

It's really difficult to find out right data about crude oil, because states and companies, are not giving exact informations. They are doing it, because then they can influence the prize of Crude oil or they can make higher audit of company.

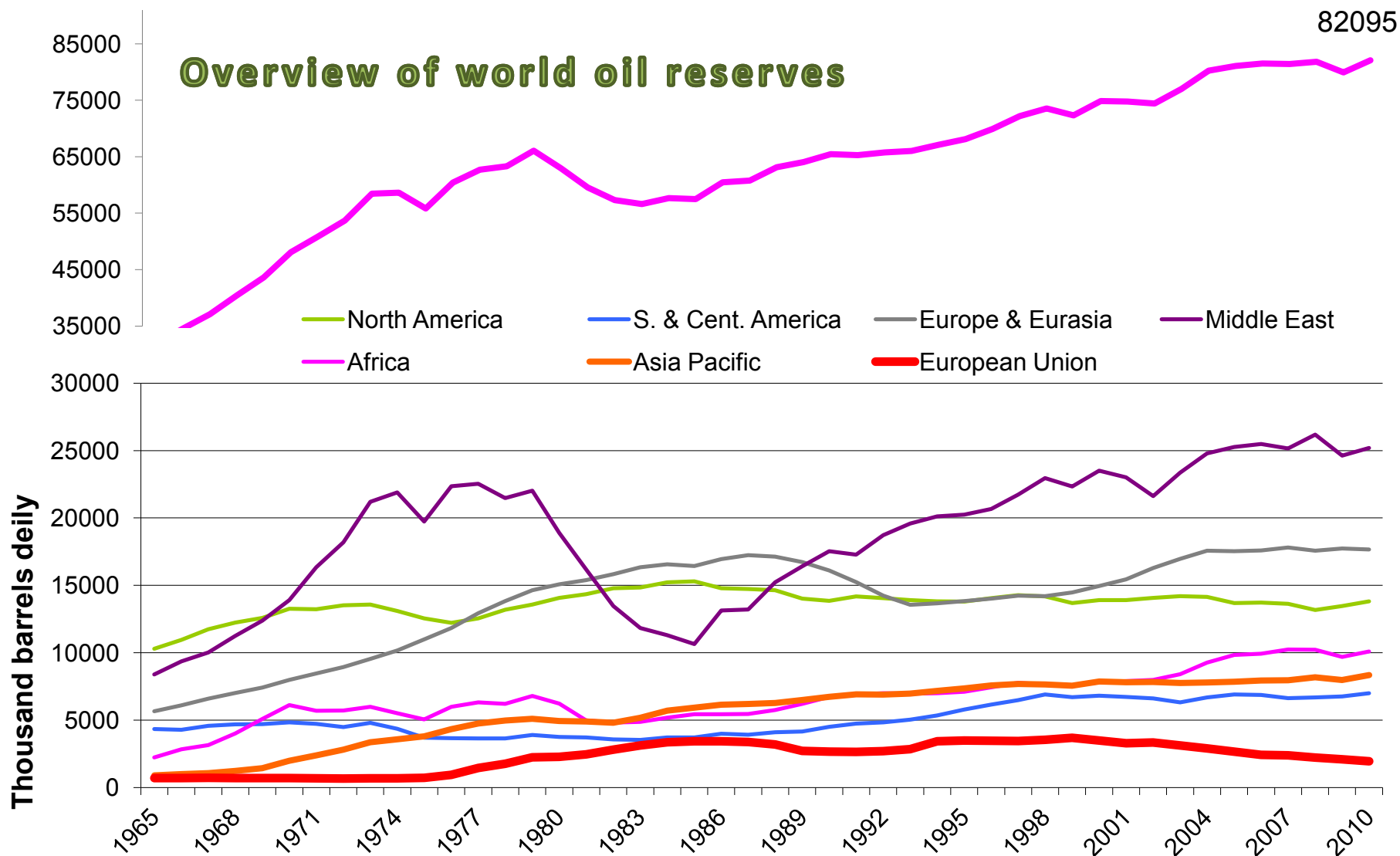
3. World supplies of Crude oil

Overview of world oil reserves



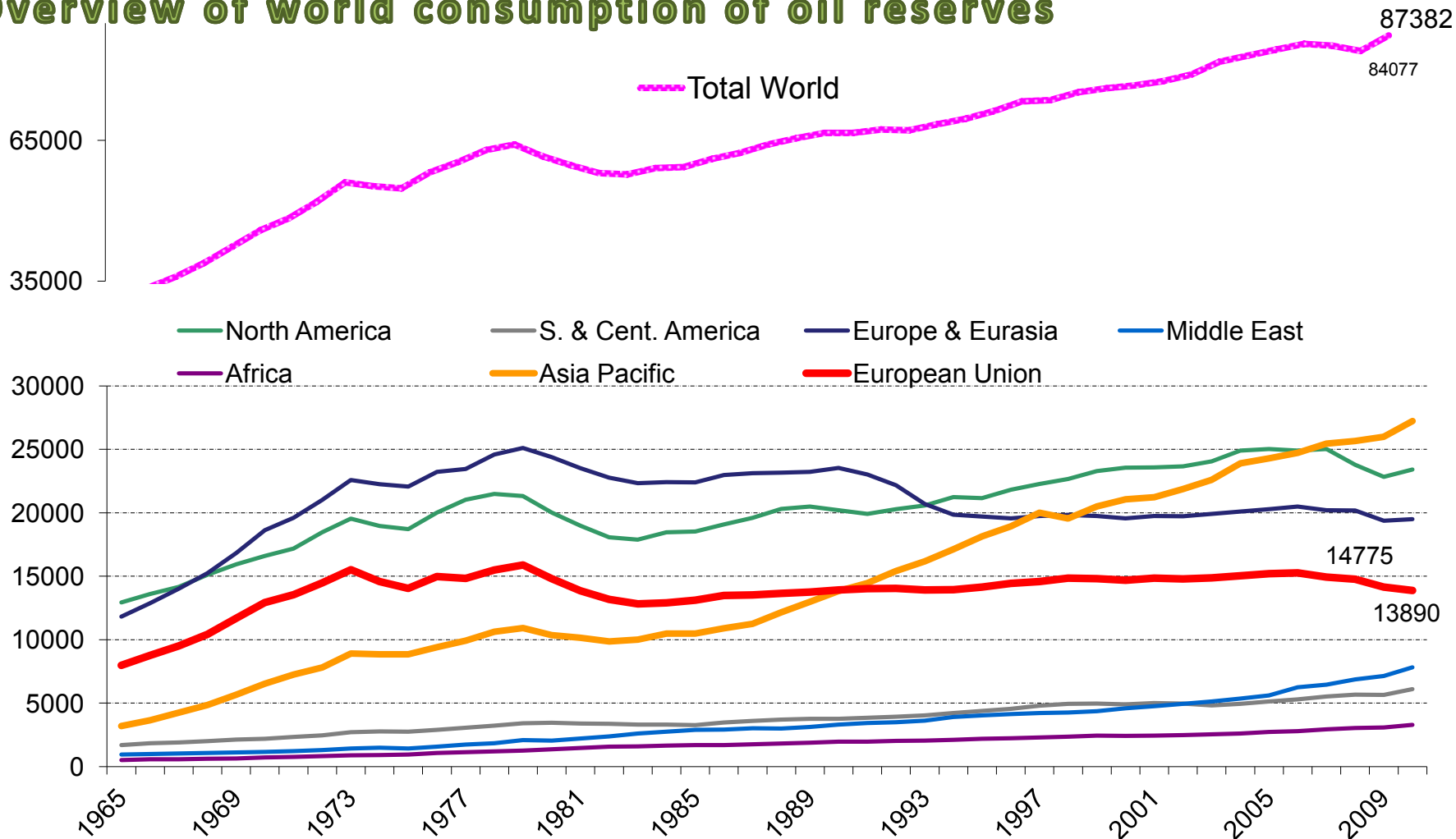
3. World supplies of Crude oil

Overview of world oil reserves

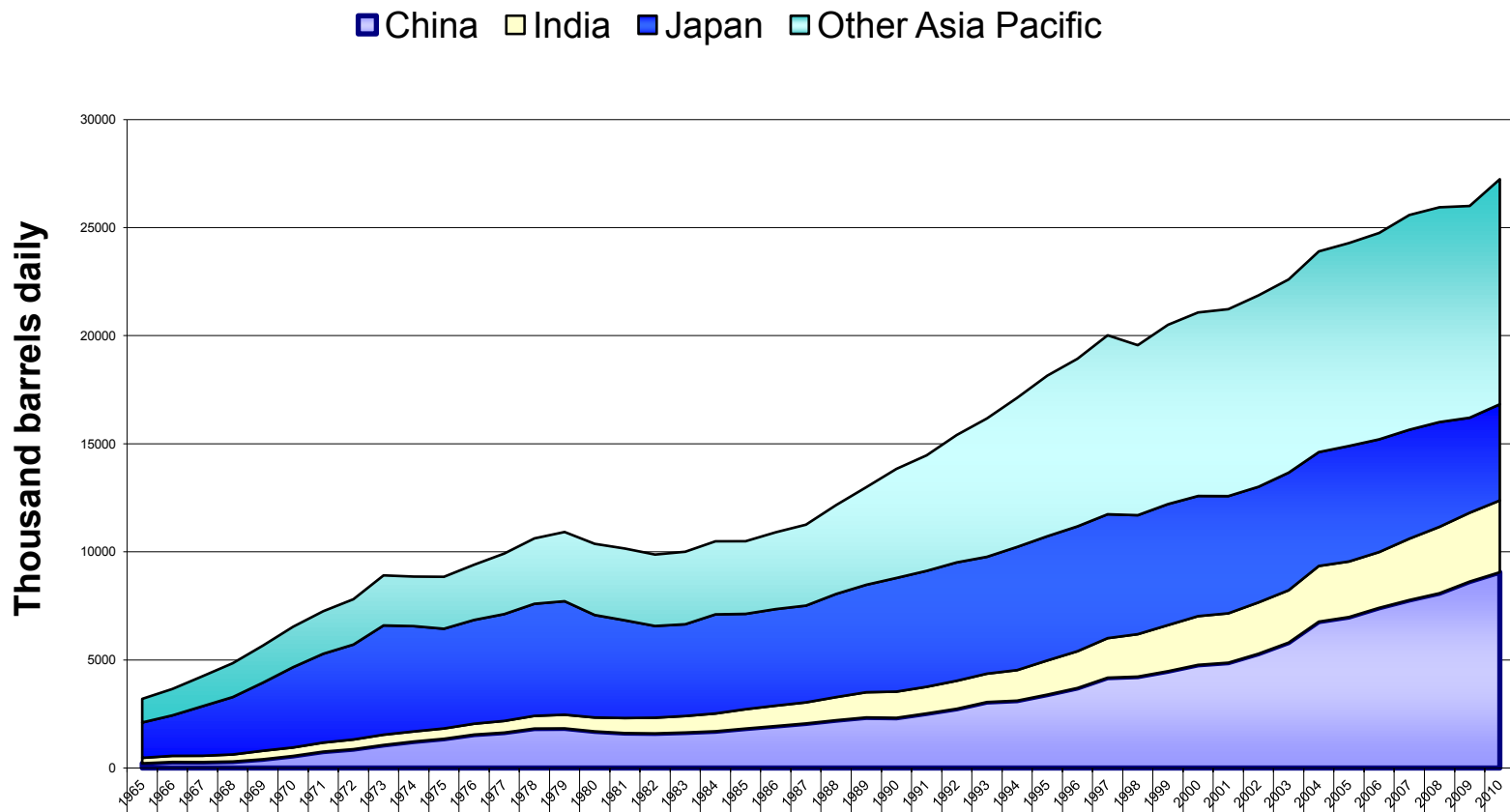


3. World supplies of Crude oil

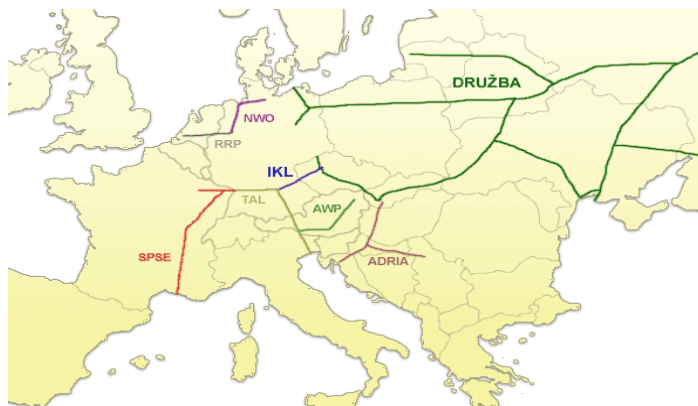
Overview of world consumption of oil reserves



3. World supplies of Crude oil

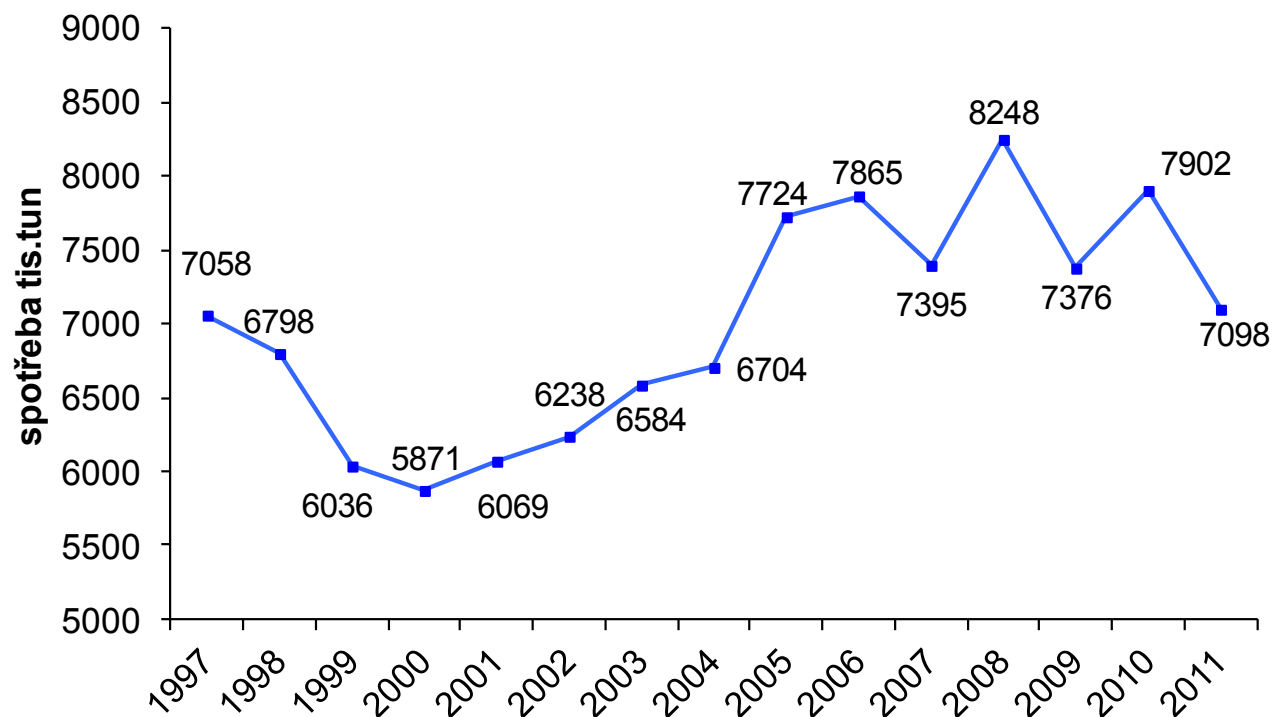


4. Crude oil and Czech Republic



System of pipelines in Europe

4. Crude oil and Czech Republic



CONCLUSION

Energy is a concept with which each of us encounters. Almost daily, media provides informations, which are mentioning energy and its impacts on earth regions and continents. Crude oil is basic raw material for production of fuel and lubricants. The operation of military equipment is characterized by a wide range of activities and one of the main tasks in the operation of military equipment also plays POL.