



**Patients and TB: Improving treatment outcomes through a
patient centred approach and
access to new treatments**

**5th TB Symposium – Eastern Europe and Central Asia
Ministry of Labour, Health and Social Affairs of Georgia
and Médecins Sans Frontières**

22- 23 March , 2016 , TBILISI , GEORGIA

TB Epidemiological Situation in Georgia

Giorgi Kuchukhidze

MD, MPH

National Center for Disease Control and Public Health (NCDC)



TB Epidemiology in Georgia

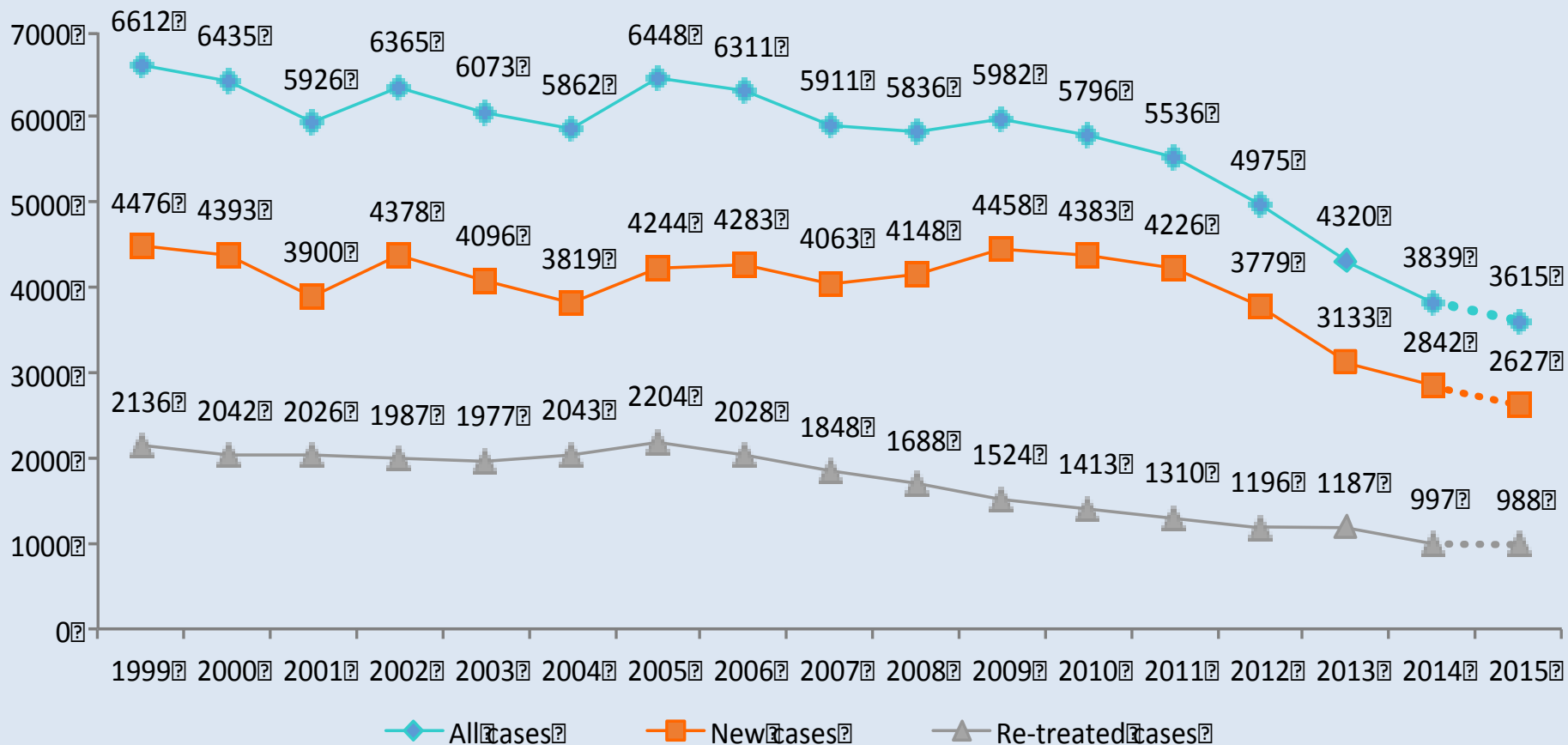
- TB prevalence: 103 cases per 100,000
- TB incidence: 75 cases per 100,000
- Case detection rate (all forms) 75%*
- Treatment success rate - 80% (2013)
- Treatment success rate for M/XDR-TB – 46% (2012)
- HIV Prevalence among TB Cases – 2.2% (2014)

Sources: NTP Database, *WHO Global TB Report 2015

Patients and TB: Improving treatment outcomes through a patient centred approach and access to new treatments

Tuberculosis Symposium – Eastern Europe and Central Asia
Ministry of Labour, Health and Social Affairs of Georgia and Médecins Sans Frontières

Number of TB Cases in Georgia



*2015 preliminary results

Patients and TB: Improving treatment outcomes through a patient centred approach and access to new treatments

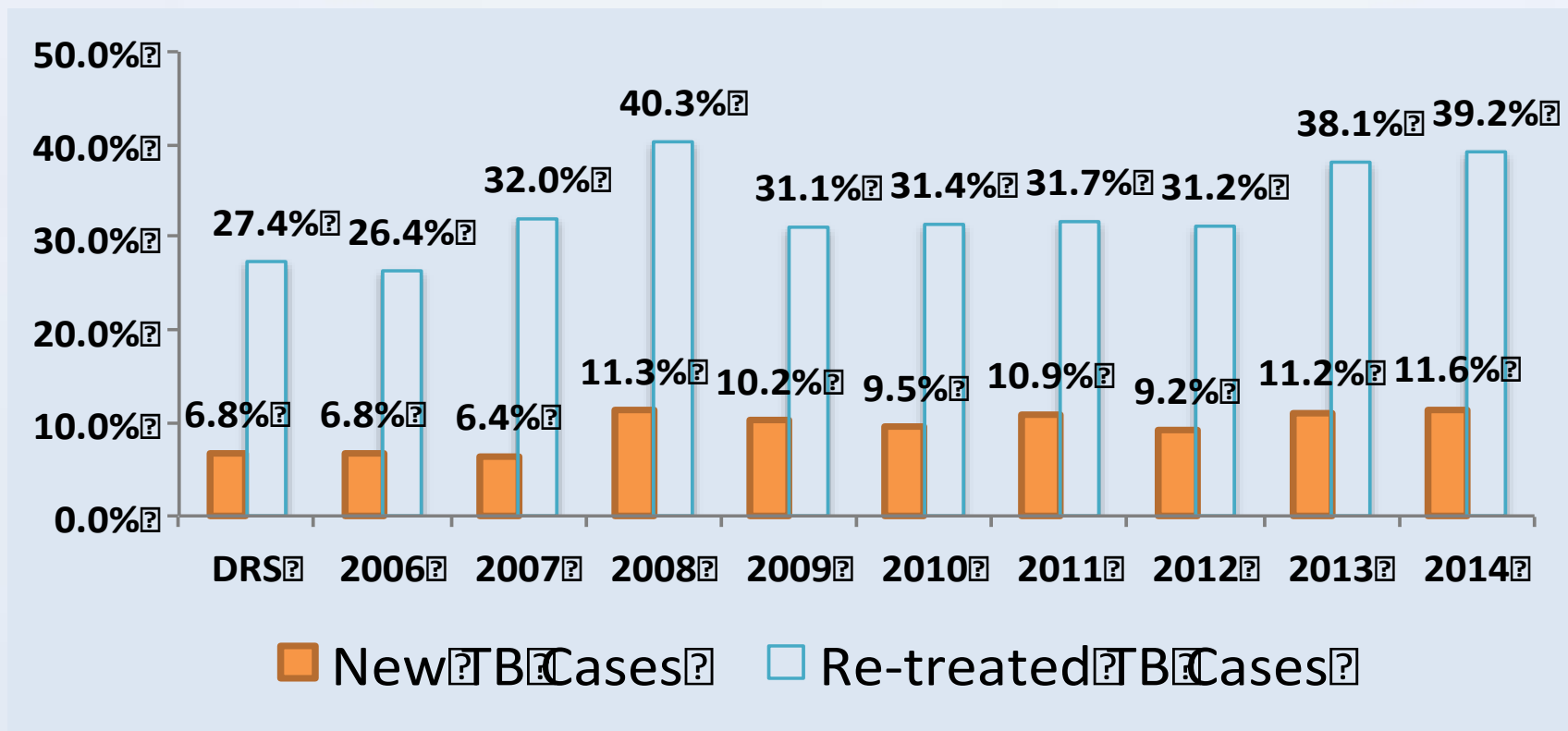
Tuberculosis Symposium – Eastern Europe and Central Asia

Ministry of Labour, Health and Social Affairs of Georgia and Médecins Sans Frontières

Drug Resistance Surveillance

(DRS – Drug Resistance Survey conducted between July 2005 and June 2006)

MDR-TB prevalence, pulmonary cases

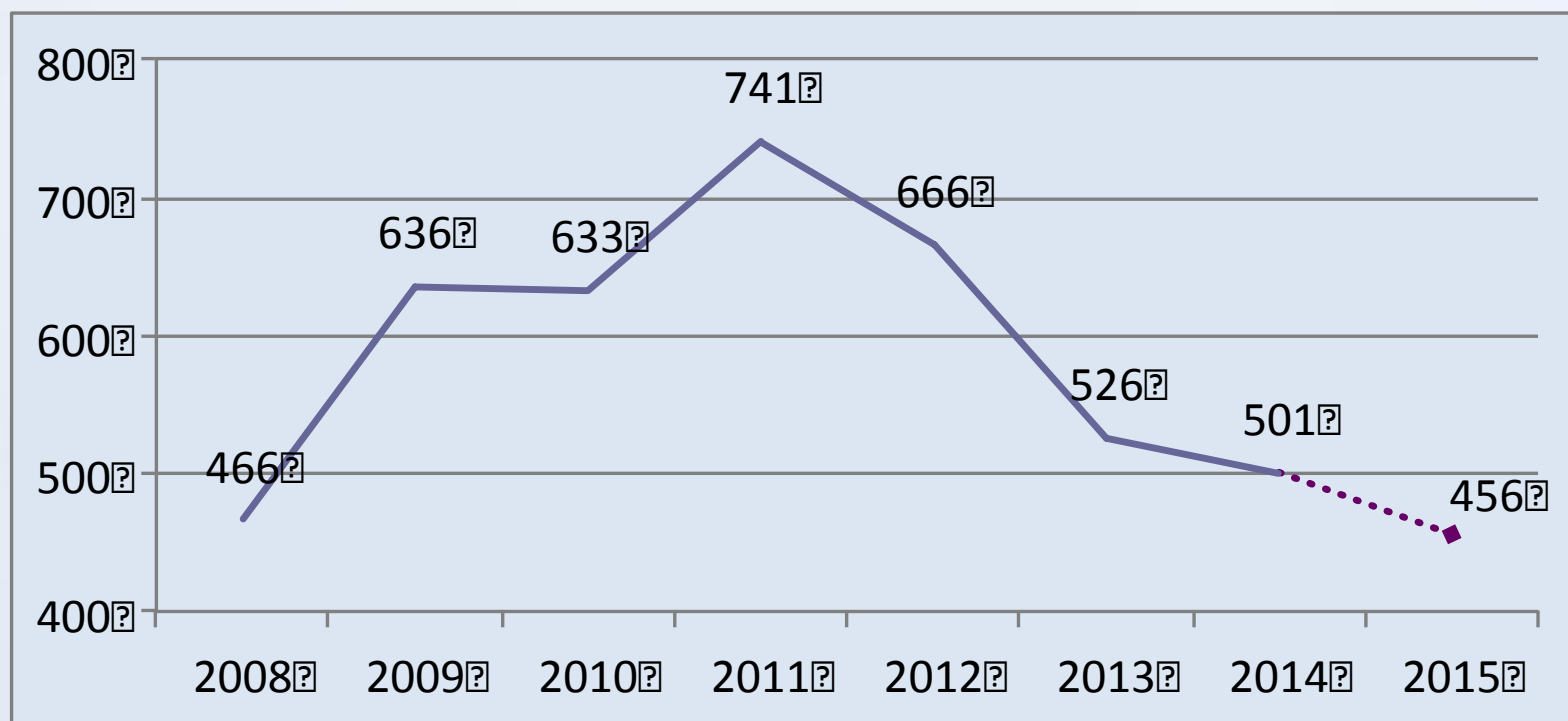


Patients and TB: Improving treatment outcomes through a patient centred approach and access to new treatments

Tuberculosis Symposium – Eastern Europe and Central Asia

Ministry of Labour, Health and Social Affairs of Georgia and Médecins Sans Frontières

Cases enrolled in 2nd line treatment (absolute numbers)



*2015 preliminary results

Patients and TB: Improving treatment outcomes through a patient centred approach and access to new treatments

Tuberculosis Symposium – Eastern Europe and Central Asia

Ministry of Labour, Health and Social Affairs of Georgia and Médecins Sans Frontières

Pre-XDR and XDR TB Cases



Laboratory confirmed Pre-XDR Cases – **134 (2014)**

Laboratory confirmed XDR Cases – **54 (2014)**

Patients and TB: Improving treatment outcomes through a patient centred approach and access to new treatments

Tuberculosis Symposium – Eastern Europe and Central Asia

Ministry of Labour, Health and Social Affairs of Georgia and Médecins Sans Frontières

MDR TB Treatment – Current Approach

- Inpatient treatment (on average 3 months)
- Directly Observed Therapy (DOT)
- TB Nurse/TB doctor at PHC (everyday DOT for M/XDR TB)
- Full geographical access in Regions of Georgia
- Patient support activities (state/GFATM/MSF)

Poor Geographical Access in Tbilisi

- Population - 1,12 million
- TB cases - 35% (out-patient treatment)

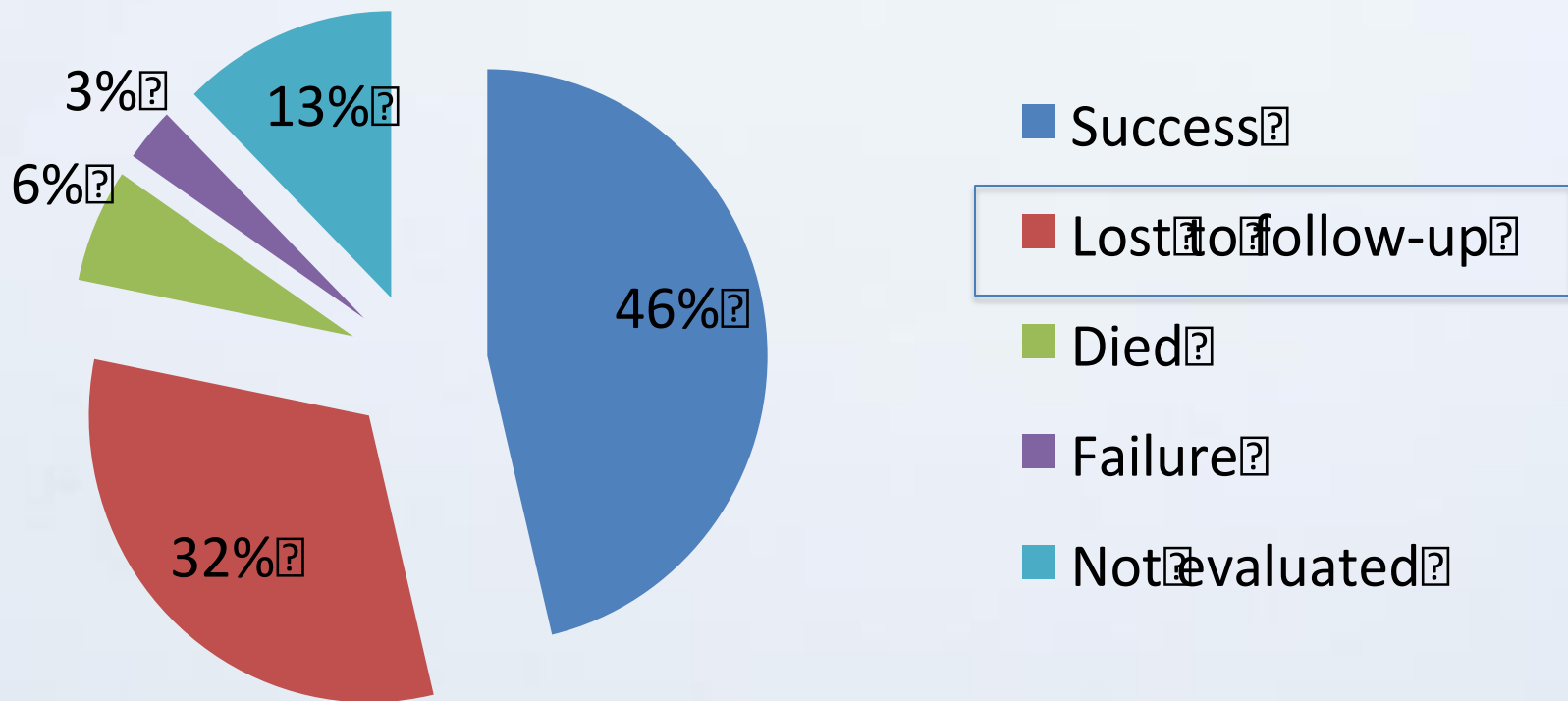


Patients and TB: Improving treatment outcomes through a patient centred approach and access to new treatments

Tuberculosis Symposium – Eastern Europe and Central Asia

Ministry of Labour, Health and Social Affairs of Georgia and Médecins Sans Frontières

M/XDR-TB Treatment outcomes 2012 cohort

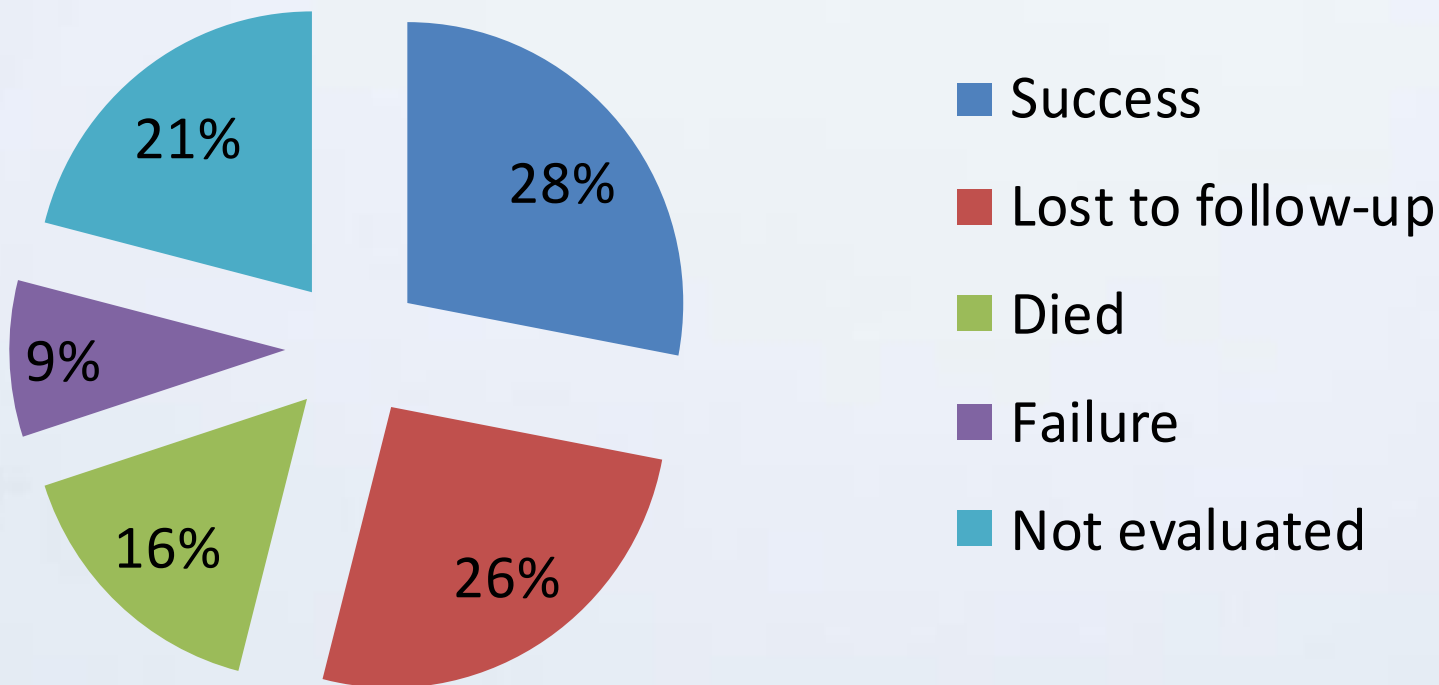


Patients and TB: Improving treatment outcomes through a patient centred approach and access to new treatments

Tuberculosis Symposium – Eastern Europe and Central Asia

Ministry of Labour, Health and Social Affairs of Georgia and Médecins Sans Frontières

XDR-TB Treatment outcomes 2012 cohort



Patients and TB: Improving treatment outcomes through a patient centred approach and access to new treatments

Tuberculosis Symposium – Eastern Europe and Central Asia

Ministry of Labour, Health and Social Affairs of Georgia and Médecins Sans Frontières

New Opportunities to Tackle M/XDR TB

- Oct 2015 – Georgia First country to receive BDQ through USAID donation program



- Delamanid available through GDF

Stop TB Partnership



Patients and TB: Improving treatment outcomes through a patient centred approach and access to new treatments

Tuberculosis Symposium – Eastern Europe and Central Asia
Ministry of Labour, Health and Social Affairs of Georgia and Médecins Sans Frontières

TB Treatment – Planned Approach

- DOT at the PHC (option 1)
- VOT - Video Observed Therapy (option 2)
- MMAP - Model of Mobile Ambulatory Program (option 3)



Photos: outreach/screening vans for HIV program



....explore other options

Patients and TB: Improving treatment outcomes through a patient centred approach and access to new treatments

Tuberculosis Symposium – Eastern Europe and Central Asia

Ministry of Labour, Health and Social Affairs of Georgia and Médecins Sans Frontières

CN 2017-18 | Objective 3. To enable supportive environment and systems for effective TB control

Advocacy, communication, social mobilization (ACSM) and civil society engagement for TB control

- Strengthening the TB ACSM activities
- Implementation of patient-centered approaches through fostering the local NGOs' involvement in TB care
- Improving access to TB prevention, diagnosis and treatment for hard-to-reach groups at high risk
Innovative approaches in TB treatment adherence support

Thank you! მადლობა!

Patients and TB: Improving treatment outcomes through a patient centred approach and access to new treatments

Tuberculosis Symposium – Eastern Europe and Central Asia
Ministry of Labour, Health and Social Affairs of Georgia and Médecins Sans Frontières