

PATROL.

Polizeiliches Analysetool

zur Recherche und Organisation
von Lageinformationen im Einsatz-
und Streifendienst

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LANDESKRIMINALAMT
NIEDERSACHSEN



Cutting Crime Impact

PATROL - Police analysis and communication tool to support effective information-enhanced patrolling

Contents

1. CCI – Cutting Crime Impact
2. LKA – Landeskriminalamt Niedersachsen
3. Predictive Policing – PreMAP
4. PATROL



CCI – Cutting Crime Impact

Cutting Crime Impact – CCI

CCI will enable a preventative, evidence-based and sustainable approach to tackling high-impact petty crime.

PATROL.

Consortium of CCI



Four Areas of CCI

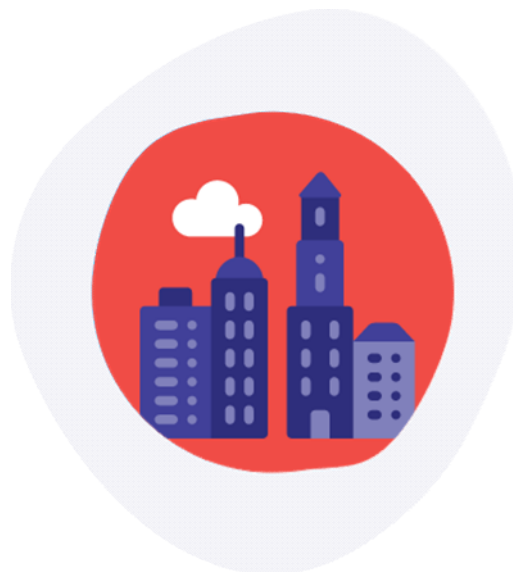
Predictive Policing



Community Policing



Crime Prevention through urban design and planning (CP-UDP)



Measuring and mitigating citizens' feelings of insecurity




Human-centred Design Thinking

- ▶ CCI wants to develop tools for users and stakeholders. PATROL is for data analysts and the police officers of the operations and patrol service.
- ▶ The CCI-Partners develop their tools in collaboration with the end users right at the beginning of the process
- ▶ In this way, the experience of the end user can be used and their needs taken into account.

Landeskriminalamt Niedersachsen – Kriminologische Forschungsstelle

State Office of Criminal Investigation in Lower Saxony – Criminological Research



Since 2006, the most important task of the Criminological Research Center is to conduct practice-oriented criminological research from the police for the police.

Criminological Research at LKA

▶ Tasks

- The linking of theory and practice and the transfer of knowledge gained to direct police practice on all criminological issues (i.e. crime development and forecasting, extremism, radicalization, urban security, dark field research, and many more).

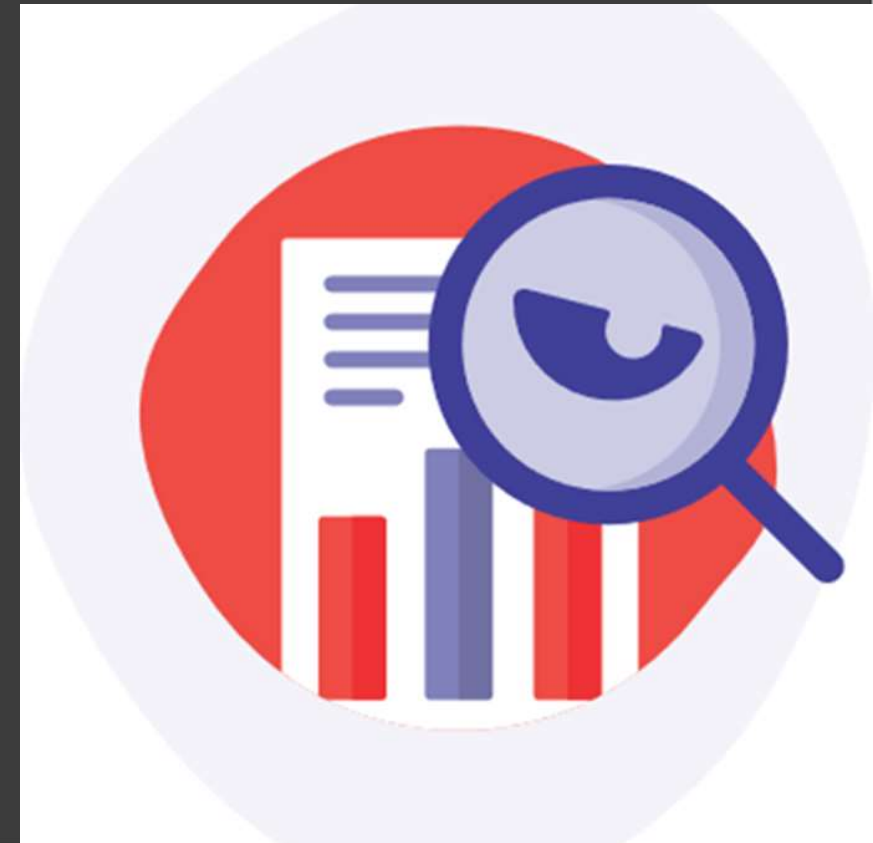
▶ Research

- Inter- and transdisciplinary applied research
- Taking up needs from the police and developing practicable instruments
- Service provider and service center for society, politics, police

▶ Consulting

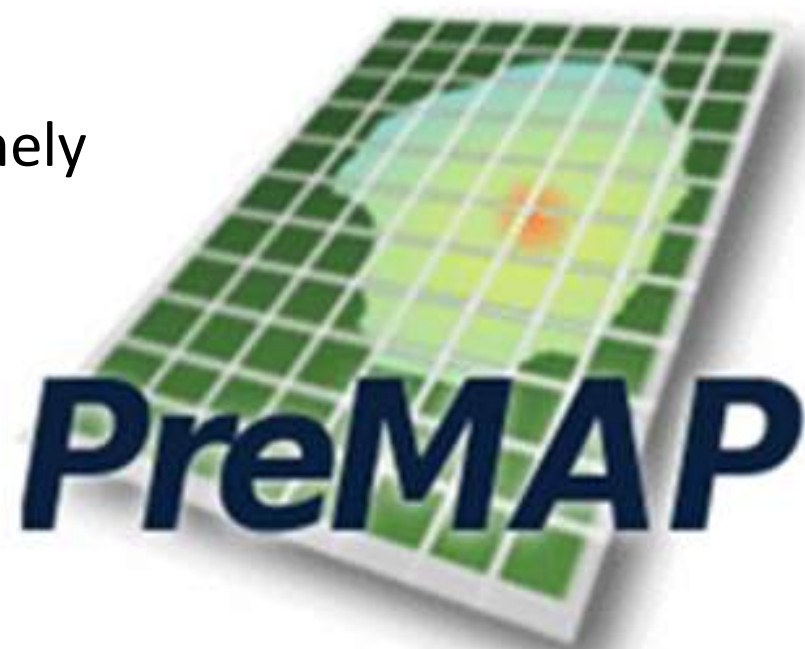
- For local police departments as well as municipalities, communities and other stakeholders

2017 – predictive policing tool by LKA



PreMAP – Predictive Mobile Analytics for Police

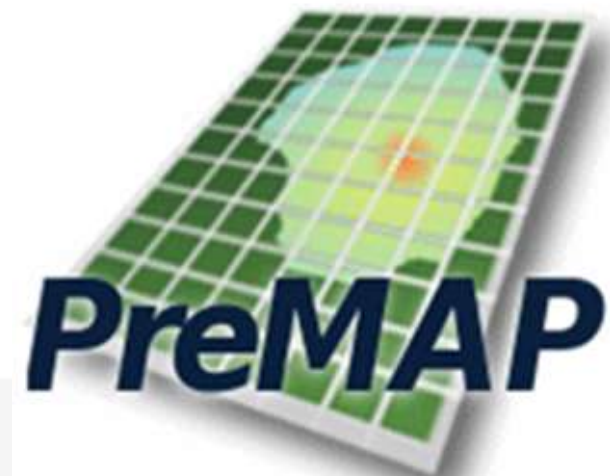
- ▶ Based on a decree from Lower Saxony Ministry of the Interior
- ▶ Tested in four police inspectorates
- ▶ Prediction of burglaries spatially and timely
- ▶ Patrolling the predicted areas through increased presence





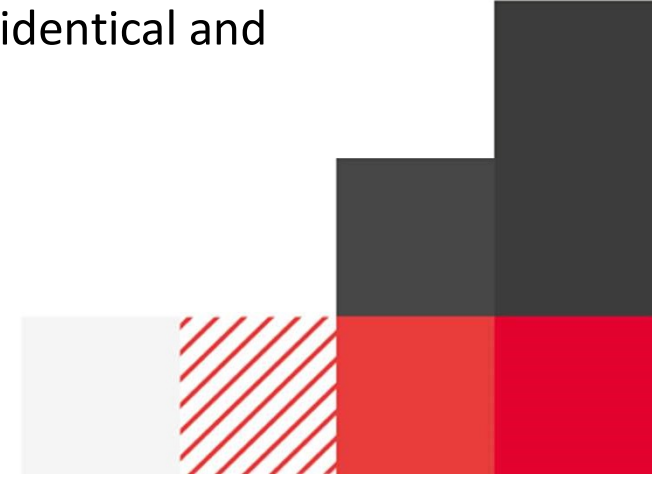
Evaluation of PreMAP

- ▶ Participation in CCI project gave LKA opportunity for PreMAP evaluation in 2018
- ▶ The criminological research conducted systematic observations and interviews
- ▶ The evaluation showed that informations of PreMap in operations and patrol service was not always communicated in a user-oriented manner.
- ▶ The evaluation showed also that PreMAP was underused. The use was not adapted to the needs of the police officers.
- ▶ At the end there was too little information in the PreMAP databases to predict burglaries.





Development of PATROL

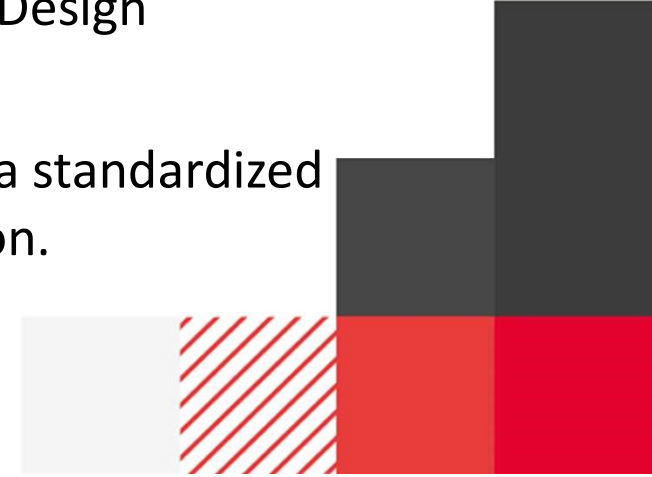
- ▶ An adaptation or new development must be accepted by the end users
 - ▶ The everyday experiences of the police officers should be able to be used
 - ▶ A testing service was involved from the very beginning and defined the structure of the new tool
 - what information the emergency and patrol service needs
 - how this information must be prepared, and
 - how the process organization must be designed to achieve as identical and qualitatively high a level of information as possible.
- 



PATROL.



PATROL.

- ▶ PATROL is a new process that has been specifically designed to meet the needs of police officers and enable an intelligence-enhanced approach to patrolling
 - ▶ PATROL enables efficient communication of necessary information to the operation and patrol service – at the time it is needed.
 - ▶ In collaboration with analysis forces and shift managers, PATROL was specifically developed for police officers. (Human-centred Design Thinking)
 - ▶ PATROL can be implemented by any police department as a standardized process for situation analysis and information dissemination.
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PATROL. – Analysis Guide

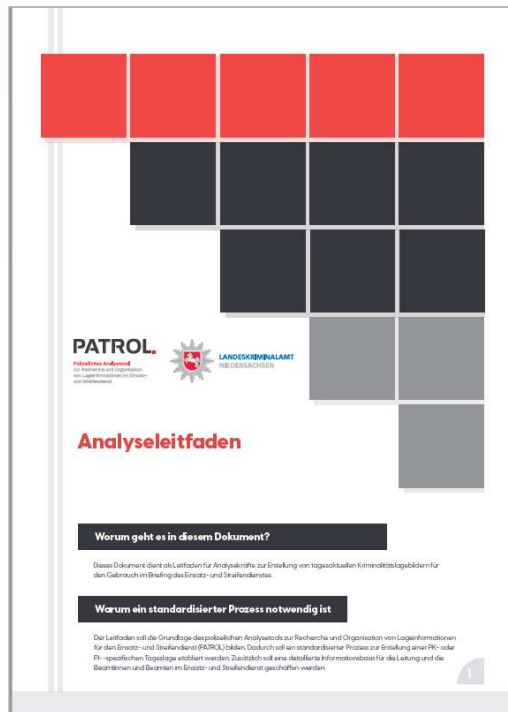
► supports the regional analysis unit in preparing the daily situation reports

The top form is a table for daily situation reports with the following structure:

Dienstst.: Dienststelle		Verbrechensart (z. B. Einbruch usw.)		PATROL	
Tatzeit	Tatort	Objekt	Modus Operandi / DG	Bemerkung / VNR	

The bottom form is a detailed incident report with the following fields:

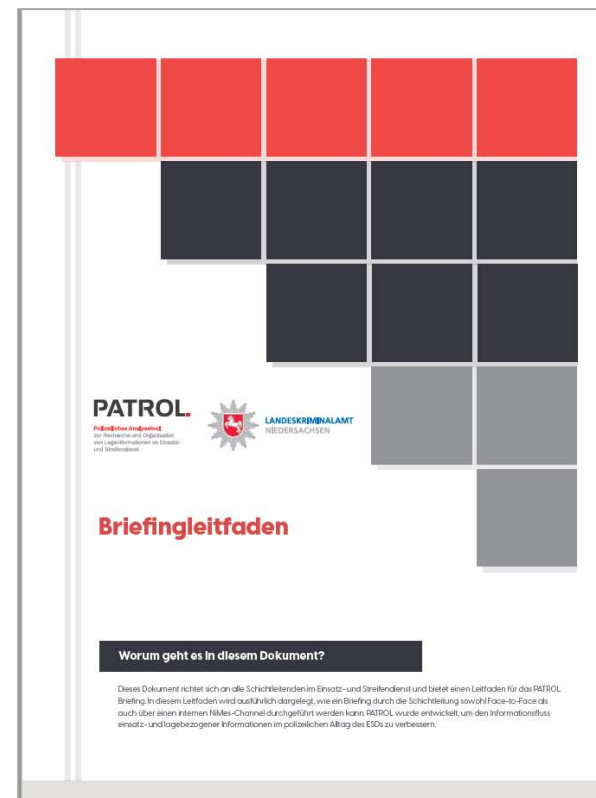
- Dienstst.: Dienststelle
- Nixadis: Vorgangsnummer
- Verbrechensart (z. B. Einbruch usw.)
- Zeit: Zeit
- Ort: Ort
- Kurze Beschreibung des Vorfalles
- Opfer: Opfer
- Täter: Täter 1
- Info: Erkenntnisse 1
- Täter 1 Photo



- Updated events from previous shift.
- Violent and property crimes
- Missing persons and pending manhunts
- Special events in the area of operation (i.e. street or drug crime, serial burglaries major events)
- Information of new instruments, trends and guidelines within the police force
- Legal or political changes affecting operations and patrols

PATROL. – Briefing Guide

- ▶ PATROL provides a standardised process for daily face-to-face briefings
 - This ensures that all current events and developments in the area of responsibility of shift managers are effectively communicated to the patrol at the start of their shift.



PATROL. – “NiMES” Niedersachsen Messenger

▶ PATROL communication via NiMES

- Internal information platform for the police of Lower Saxony
- separate channels can be created
- All police officers receive quickly informations and can change them.



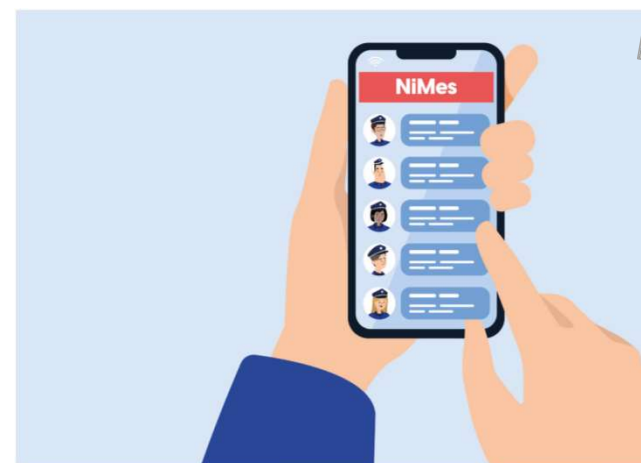
PATROL.

PATROL. – The Toolbox

- ▶ Analysis Guide – the wrench
- ▶ Briefing Guide – the screwdriver
- ▶ NiMES – the Hammer



PATROL		PATROL	
Dienstst:	Dienststelle	Verbrechensart (z. B. Einbruch usw.)	Objekt
Nivadis:	Vorgangsnummer	Tatzeit	Tatort
Verbrechensart (z. B. Einbruch usw.)		Modus Operandi / DG	
Zeit	Zeit	Bemerkung / VNR	
Ort	Ort		
Kurze Beschreibung des Vorfalles			
Opfer	Opfer		
Täter	Täter 1	Täter 1 Photo	
Info	Erkenntnisse 1		



PATROL.

PATROL. – on YouTube

▶ <https://www.youtube.com/watch?v=tX2ent-6xtQ>




PATROL – supporting effective information-enhanced police patrolling

PATROL. – summary and outlook

▶ PATROL enables:

- Improved information transfer through intelligence-enhanced briefing
- Optimisation of the information and knowledge-base that supports officers on daily patrol service
- More effective police patrolling.

▶ PATROL in practice and next steps:

- PATROL has already been tested in practice
 - Almost positive feedback on design, application and content
 - Make known the Tool within the Lower Saxony Police
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▶ Any questions?

Thank you

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www.cuttingcrimeimpact.eu



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