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Machine Translation for Government

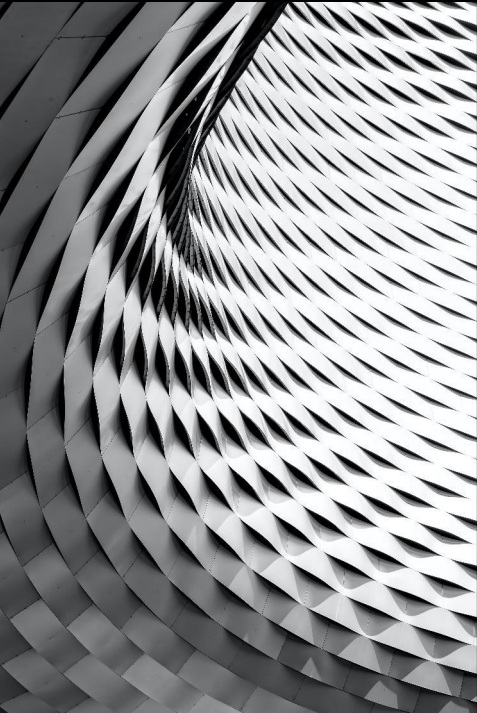
Charlie Breeding, Principal Director, Language Weaver, RWS Group
Bart Mączyński, VP Machine Learning, Language Weaver, RWS Group

23 September 2022

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Agenda

- Introduction
- Why Machine Translation?
- Government Use Cases & Requirements
- Improving Translation Outcomes
- Deployment, Integration, Administration
- Language Weaver Smart MT Demo
- Q&A



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Why Machine Translation

- Digitization of government services
- Non-English speaking constituency
- Growing content volumes
- Increased focus on foreign media
- Decentralization of content sources (social media etc.)
- Text analytics platforms designed for English
- Limitations of human translation process

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Machine Translation Use Cases



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Content Assimilation

- External data collected for analysis
 - Publically available information
 - Captured enemy material
 - Digital forensics
 - Media exploitation
 - eDiscovery & litigation support
 - Sentiment analysis
 - Compliance management
- Wide array of languages and scripts
- Low quality of input
- Very high volumes and speed
- MT is a link in a longer analytics chain

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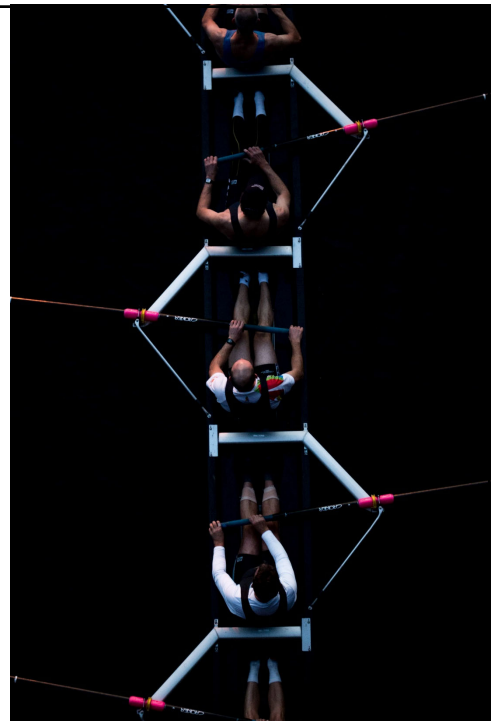
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Communication & Collaboration

- Real Time Internal/External Data Streams
 - Secure translation portal
 - Text, documents, images
 - Email, Chat, Chatbot
 - Contracts, reports, presentations
 - Multilingual mission support
- Secure, approved alternative
- Very easy to use
- Integrated with intranet, internal systems
- Learning from user feedback

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Content Dissemination

- Reaching all communities
 - Federal, state, county, municipal level
 - Programs, departments, agencies, services
 - Publications, websites, applications, forms
 - Subject to legislation, compliance
- Increasing productivity of human linguists
- Growing number of target languages
- Adapting to special terminology & style
- Operating within a tight budget



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Common Requirements

- Security
- Speed/Scalability
- Reasonable Total Cost of Ownership
- Integration Flexibility
- Adaptability



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Improving Translation Outcomes

- Dictionaries
- Custom Language Pairs
- Adaptive Language Pairs
- Real-time Feedback
- Auto-adaptive Language Pairs



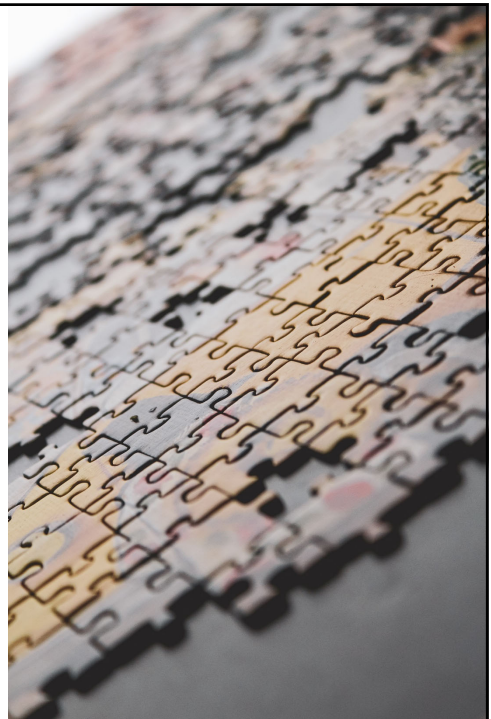
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Dictionaries

- Enforce desired translation for specific words/phrases
 - Improve terminology
 - Preserve brand names
- Use different dictionaries for different workflows



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Custom Language Pairs

- A custom model can provide better fit
 - Improved terminology in context
 - More suitable style (voice, formality, etc)
- Our team can obtain the most out of your data
 - Expert data processing/cleaning
 - Advanced training regimes
 - Investigation and fixing of specific issues

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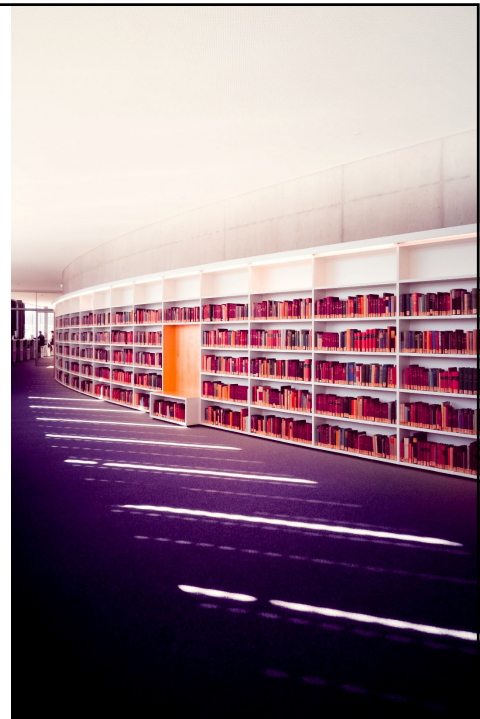
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Adaptive Language Pairs

- Customization without sacrificing security
- Fast results, producing a new model in only a few hours
- Create multiple custom models for different workflows
- Fast re-training cycle

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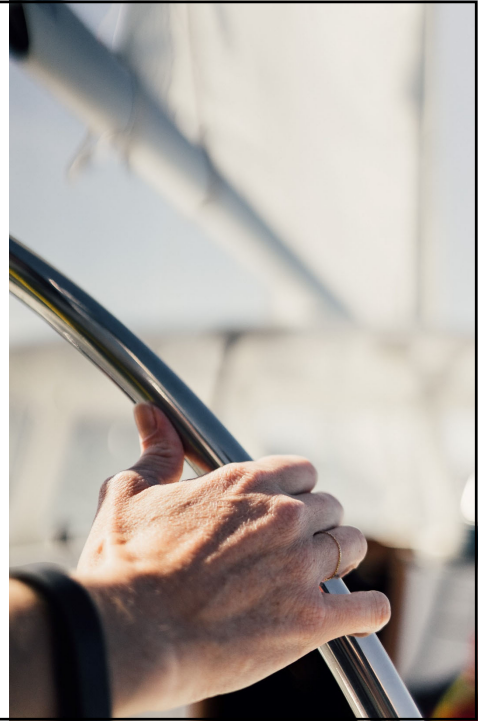
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Real-time Feedback

- Improve the translation of full segments
- Proposed improvements are immediately used by the model

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Auto-adaptive Language Pairs

- Adaptive Language Pairs that keep improving
- Just provide a stream of data
 - Feedback entries
 - Translation memories
 - Dictionaries

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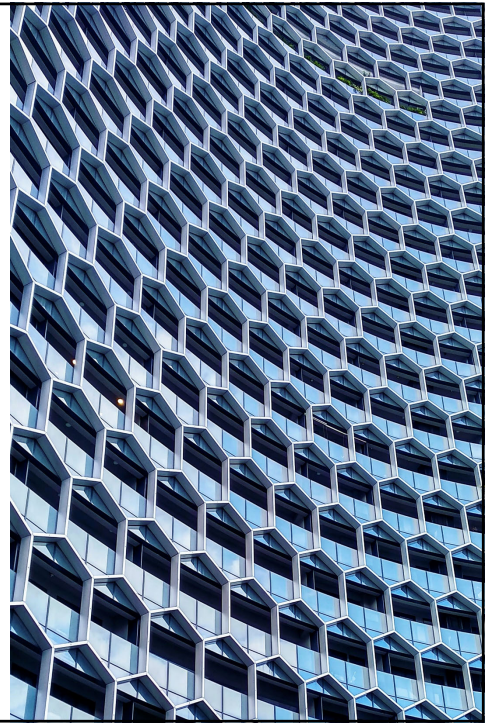
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Deployment, Integration, Administration

- Public cloud, private cloud, on-premise
- Language Weaver web portal UI
- API integration
- Connectors hub
- Reporting

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Language Weaver Demo



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Thank you.

Q&A

www.languageweaver.com

For further information or questions, contact Charlie Breeding at cbreeding@rws.com or phone 703.405.1915

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Language Weaver The last mile in machine translation.

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