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<ul> <li>Typical data sizes:         <ul> <li>Automotive 16 kHz: Acoustic models: from 760 kB to 2.5 MB Contexts:                 <ul> <li>Digits, commands : a few kB</li> <li>Navigation (voice destination entry): a few MB for small contexts, 50 MB for full European country, &gt;200 MB full USA</li> <li>Network 8 kHz, dictation → hundreds of MB (server based)</li> </ul> </li> </ul> </li> </ul>	A
<ul> <li>Typical challenges:         <ul> <li>Audio quality (background noise, etc)</li> <li>Data sizes! RAM and CPU contraints!</li> <li>Accented speech (acoustic model trained for native speakers)</li> <li>Multilinguality (foreign words, mixed languages,)</li> <li>« Ecouter "Think" par Aretha Franklin »</li> <li>« Aller à la Bahnhofstraße de München»</li> </ul> </li> </ul>	16























